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On the cover: Anthony Tomasello takes a chunk out of a pine tree in the Greenbrier enduro, and you know what it feels like, eh? Anthony has been tearing up the ECEA this year, with two High Point A trophies so far. Just watch those handguards!

July 1995 Volume 25 Number 7

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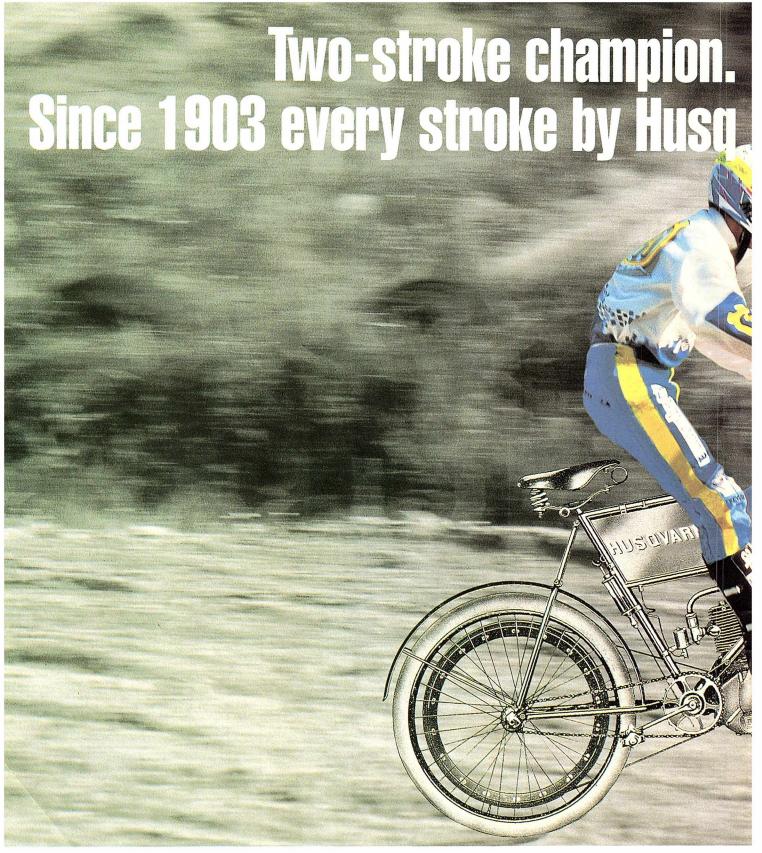
Page output by Another Way, Inc. Berlin, NJ

The advertising deadline for the September 1995 issue is July 15, 1995.

FEATURES Earth Day Weekend 14 Planting trees and picking trash **Product Evaluation** 20 Scott Summers' new clothes 34 **Product Evaluation** Helmet Fresh and Alpinestar Boot. COMPETITION John Monahan Enduro 12 A great spring ride in Massachusetts Sandy Lane Enduro 16 Late report from the season opener 24 **Ohio National** Hawkins traps the Little Raccoon MACHINES KTM's 50-State R/XC 400 32 rying out a new dual sport at the Nevada 200 TECHNICAL TR Toolbox Sparky parts Handlebars Facts and figures on the new breed of bars DEPARTMENTS Last Over New Jersey Legal? **Eastern News** The Rest of the World 40 Event Ads Yankee Trader

Warning: Anyone harboring conspiracy theories around the content of this magazine is sadly deluded and should immediately visit a physician for a Prozac perscription. Trail Rider is a hand-to-mouth operation, and we are not capable of anything loftier than putting out a magazine each month as sloppily as we can. We recommend that you ride carefully, dress in all the protective gear you can hold, and know in advance that off-road riding can be very hazardous if you don't keep your wits about you. Remember that this whole sport is based on fun, and if you're not having fun you're going about it seriously wrong, and should find something else that makes you happier. Life is too short, eh?

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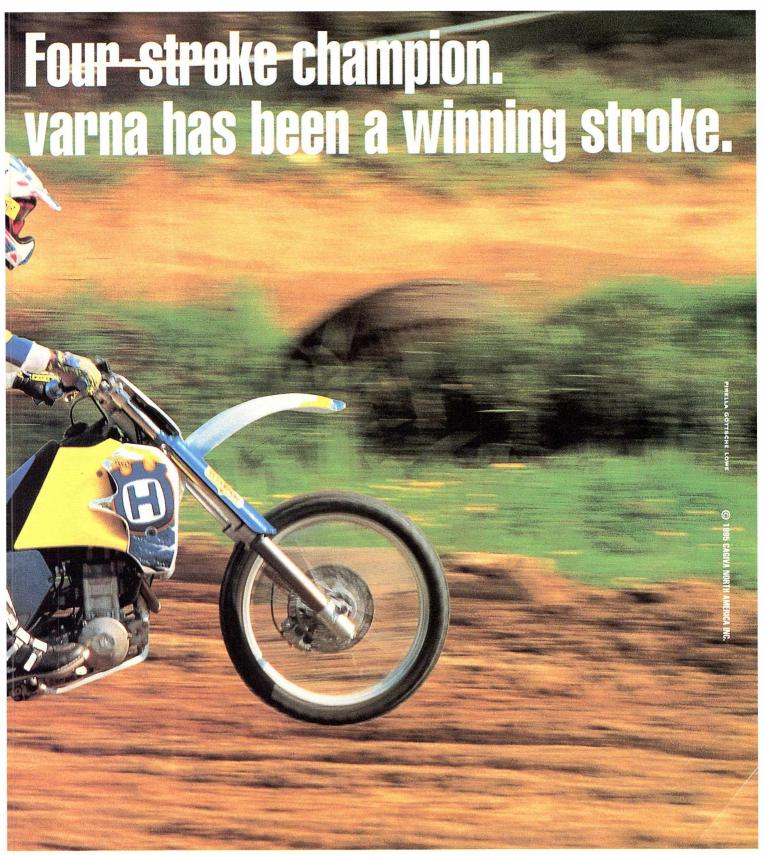
Time does not stand still and winning at all levels for the Husqvarna of motorcycle sport. 14

legend.

Since 1903, Husqvarna have been competing of motorcycle sport. 14 world motocross titles, 7 world and 11

7 world and 11 European enduro titles underline the

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graphics and styling on all'95 models guarantee that the legend will live on. Since 1903 Husqvarna has succeeded in making time fly.



by Paul CLipper

Jersey Legal, Part Two

n the October 1994 issue of Trail Rider we ran a story called "Road Legal in New Jersey." In the article we described all the legal requirements for a road-going motorcycle, claiming that all you have to do is follow these guidelines and you could make your enduro bike not only registerable, but able to pass state inspection. We had high hopes that we'd finally cracked the code for legally registering your bike in the Garden State, but unfortunately we were wrong. Here's how it all happened and what's been happening since.

First off, it's important to point out that we didn't just look up motorcycle requirements in the state code and print them, and then run the article assuming we were right. Even we're not that stupid. Mark Uth, the author of the piece, spent six weeks fielding and returning phone calls between his office and the NJ Department of Motor Vehicles. He started out with the basic information number and worked his way up the chain, finally talking to a helpful gentleman by name of Don Henry, who is the Assistant Direct for Driver Control and Regulatory Affairs, who went to the trouble of researching requirements for motorcycle inspection and passed them on to Mark, along with the assurance that a registered motorcycle that passes all these requirements (see the Oct. '94 issue in question) would be able to pass inspec-

Ah, but the sticking point was registration. Assuming your Manufacturer's Statement of Origin (MSO)—the document you receive from the manufacturer when you buy a new machine-says "For Off-Road Use Only" on it; well, what do you do then? More questions were asked, and it was determined that one way to prove that a motorcycle meets state safety requirements was to apply for a "reconstruction" title, usually used when you salvage a car or motorcycle from a wrecking yard, repair it and need to prove to DMV that your repairs are sound and meet DMV code. In our case, a "reconstructed" trail bike would be one that has been fitted with all the necessary equipment to make it legal and capable of passing inspection. It took weeks to arrive at this conclusion, with the help of Don Henry again, and at this point we were ready to run the story.

All the research had been done. We had confirmation that all we had was all that was necessary to pass state inspection. We had double-checked the reconstruction title process and were assured that it would fly, and with deadline approaching rapidly we decided to go with the story. Where could we go wrong? We had the blessing of the

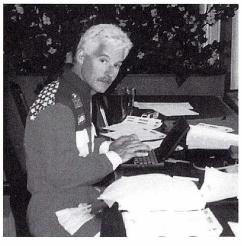
LAST

DMV, right?

Well, not completely right. The DMV is a big place; plenty of people reporting to work each day, lots of different departments. The article came out in Trail Rider, and armed with this new-found knowledge anxious New Jersey trail riders wrote, called and walked in to their local DMV offices, proudly wanting to register their bikes, apply for reconstruction titles, the whole works.

The reconstruction title was the fly in the ointment, because deep within the DMV a majority of calls requesting recon titles for dirt bikes were going to Thomas Wright, the Acting Manager of the Customer Services department. His department called and let Trail Rider know that in order for a motorcycle to even be considered for a recon title, it would have to first be approved by the federal EPA (see TR Feb. '95, page 11). Since offroad motorcycles are not EPA approved, they don't fall under New Jersey's normal registration procedure.

Well, our argument was that watercraft are not EPA approved, neither are snowmobiles nor ATVs, but you can register all of them easily (yes, you can register a three- or four-



wheeler in NJ-the registration doesn't get you much, but you can do it). That being the case, why can't we register non-EPA approved trail bikes, we asked the state. The answer was that a category doesn't exist for them in the registration code, therefore, DMV offices will not register them.

Now, why we were never told this little piece of information during six weeks of phone calls and research is beyond me, but obviously we didn't call everyone in the DMV Trenton offices and ask them one by one, so we missed the only person who knew the answer. At this point we went to Trenton with the New Jersey Trails Conservancy and had a meeting with Chris Kniesler, the Deputy Director of the DMV. We talked to him about the problem and he said he'd look into it, and find out if creating a category for off-road motorcycles would take just a memo from the top, or if new legislation would be necessary to get the category created. He also passed on the information that certain changes in federal laws were prompting them to change the whole state inspection system, and when the changes came they were going to drop vehicle inspection for motorcycles completely.

(Unfortunately, the federal standards that

were supposed to be implemented in order to prompt this change in the inspection system were all tabled for the time being, and as a result there is no change in NJ's inspection procedure for the foreseeable future.)

We left the meeting with Kniesler full of hope that things were definitely turning for the better, but unfortunately life was not all peaches and cream. Annoyed by the flood of requests prompted by the Trail Rider article, Thomas Wright's office sent a memo out to all the DMV regional offices, reminding them that motorcycles with "For Off-Road Use Only" on the MSO cannot be issued a title and/or registration. About people wishing to register these bikes, the memo said "Unfortunately, since there presently is no registration category for off-road motorcycle, we are unable to comply with their request. If the machine in question was a snowmobile or farm implement, there'd be no problem; but since a category doesn't exist for an off-road motorcycle, it can't be registered. Catch 22!

Please note, however, that the memo came down in response to the Trail Rider article. Rumors have been flying that the hammer fell because the NJTC was poking around and causing trouble; drawing attention to offroad motorcycles. Nothing could be further from the truth. The NJTC is right in there battling the problem that Trail Rider unfortunately brought to the front, and they are doing a good job of helping DMV find a solution to the problem. They are in nearly daily contact with the DMV, keeping the pressure on. The NJTC is also working with State Representative Lee Solomon's office, which is helping to write legislation to create that category for off-road motorcycles, and is willing to sponsor the legislation when it is finished. Only trouble is, like anything else in a bureaucracy, the legislation process is a long and tiresome ordeal, and it's going to take some time to get it all made into law.

Incidentally, we have pointed out to the state DMV that according to the Motorcycle Industry Council there are 44,000 off-highway/unregistered motorcycles sold in New Jersey every year, which represents \$1,271,600 in registration fees and untold millions in state sales tax, but they are apparently uninterested in such a "small" sum. A very odd attitude when Trenton is cutting services throughout the state to fulfill the current Governor's promise to reduce taxes. It's silly that they should turn their back on a source of income.

What will help? We must put pressure on the state to create a registration process for "trail bikes," motorcycles that have "For Off-Road Use Only" or similar words on the MSO. To do this, we have to aim high and fire off letters and telephone calls. By "aim high" I mean go to your local state representatives and tell them you're very dissatisfied with the way things are going. After they know you're upset, they will pull whatever strings necessary to pass the information on to the DMV directors in a way which will have the most impact. If you call DMV directly all you will do is annoy them, and possibly prompt even more negative impact. People employed by the DMV do not work for usremember that—and they will only respond to the people they work for; which are the

(Continued on page 40)

George Zuay's MO-action Suspension

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1994 YZ 250 WR. "The suspension was nothing short of amazing." DIRT RIDER July, 1994.

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1995 KX 250. "It's very apparent that both R&D Racing and George Quay's Pro-Action spend a lot of time with research and development. Neither company sells gimmicks; instead, they build practical high-performance products based on proven technology that's right on target". DIRT RIDER March, 1995

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417-258-7201

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412-593-7501

Stolen Bike

We're real late in reporting this (sorry...) but some low-life stole Perry Hodges' WR200 Yamaha early this spring. Perry is the past president of the ECEA, and bought that bike last winter looking forward to a great year of enduro riding, and lost the bike before the Sandy Lane.

It is a 1992 Yamaha WR200, VIN #JYA4BFW00NA000101. The bike has a Kessler suspension, blue Fredette handsavers, and two sensor wires for ICO odometers, and it could turn up anywhere in South Jersey. If you spot this bike, please contact this magazine, or Perry at (908)657-6338

Norton Roosts

We just received results from the Boyers, Pennsylvania, round of the GNCC, and it seems that Tommy Norton of Team Mirage came in second overall. The winner of the event was Fred Andrews, a fellow Yamaha rider, and Norton is credited with crossing the finish line exactly one second behind Andrews. Series

champion Scott Plessinger jammed in behind the two just two seconds later. Close racing? I guess! Apparently, Plessinger's third place finish at this race

has put him in the points lead once again. We keep getting press releases from Tommy, and Davey Coombs has promised to write a "series so far" wrap-up, so look for a story on the GNCC hopefully in the next issue.

The Book Source

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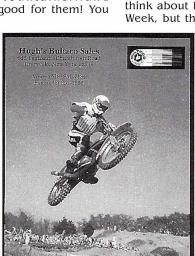
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Sad Passing



tion you should contact Pirie Composites at 1404 Bayview Avenue, Barnegat Light, NJ 08006, or call (609)494-1321.

Long-time motorcycle enthusiast William R. Strickland

passed away this April 7, after a long bout with cancer.

Bill was president and founding member of the Western

New York Enduro Riders Association, and a long-stand-

ing member of the AMA. Bill was a rare individual who

was able to give to our sport as much as he got out of

it. He was well-known to encourage many young people

to participate in off-road motorcycling for sport and

enjoyment. He kept riding motorcycles well into his sev-

enties, and when his health kept him from riding a bike

he took to the woods on his four-wheeler. He will be

missed by many, and the sport is poorer without him.

FTR News

FTR? Why, Florida Trail Riders, of course! I know, none of you guys even think about Florida after Daytona Speed Week, but there's plenty of racing going

to whatever stock color you require.

Price each is \$34.95. For more informa-

on down there all winter. Team KTM Enduro rider Joey Hopkins iust wrapped up the Enduro Series this spring, with a second overall at the Swamp Fox in South Carolina as his final race. Hopkins plans to race most of the national enduros this year, although we didn't see him down in Ohio.

Bultaco Central

If you're into Bultaco motorcycles and live on the east coast you're extremely fortunate. Why? Because you live near Hugh's Bultaco and you will never have to worry

about getting parts. Hugh buys old lots of parts wherever he can find them, and even makes certain parts that are impossible to find anymore. Better yet, he is a repository of all manner of Bultaco technical information, which you will also

find valuable if you have to get that Pursang together before the AHRMA motocross. What do you do if you don't live near him? Get his catalog, of course. Just write to Hugh's Bultaco, 682 Taghkanic Churchtown Road, Craryville NY 12521, or call

(518)851-7184. The fax number is (518)851-2533.

NAMES AND ADDRESSES

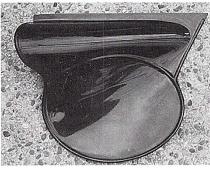
New England Trail Rider Association (NETRA) P.O. Box 478 Ellington, CT 06029 (203)875-5757 **East Coast Enduro** Association (ECEA) RD 1, Box 2216 Jonestown, PA 17038 (717)865-0601 Vermont Trail Riders Asc. (VETRA) P.O. Box 136 South Pomfret, VT 05067 Pennsylvania Trail Riders Association (PATRA) Box 77 Thomasville, PA 17364 **Racer Productions** (AMA GNCC Series) Route 7, Box 459 Morgantown, WV 26505 (304)594-1157 **Budds Creek Hare** Scrambles (301)475-2000 District 4 Enduro Comm. (716)594-0384

AMA P.O. Box 6114 Westerville, OH 43081 (614)891-2425 **New York Trail Rider** Alliance, NENYC 8 Komar Drive Charlton, NY 12019 **New Jersey Trails** Conservancy (NJTC) 212 Cedar Street Lakehurst, NJ 08733 (908)657-6338 District 6 Sports Asc. PO Box 554 Lebanon, PA 17042 (717)272-6896 SETRA 5165 Thompson Mill Rd. Lithonia, GA 30038

testing your memory. If you don't know what it is, you'll never need one, but if you do the chances been looking for one. This is a replica of a **Blue Ribbon Coalition** Penton left-side side P.O. Box 5449 panel, custom molded Pocatello, ID 83202 in modern composite (208) 237-1557 Virginia Championship materials Hare Scrambles Series Composites. This one (VCHSS)

happens to be made with a black gel-114 Holloway Drive coat, which wasn't original, but they can Smithfield, VA 23430 (804)255-4620 be had in white gel-coat for easy painting

by



Pirie

WHERE TO RIDE

7/2 Central Vermont H.S. Chelsea VT 7/8 Firecracker Junior Enduro Union CT 7/8 Nervous Novice Junior Ride Union CT 7/8-7/9 AMA National Dual Sport Brightwood OR 7/9 AMA National Hare Scrambles Kahoka MO 7/9 Conn. State Hare Scrambles Union CT 7/15 Knox I Junior Enduro Southampton MA 7/15 Nervous Novice Junior Ride Southampton MA 7/16 AMA National Hare Scrambles Speedsville NY 7/16 Budds Creek Hare Scrambles Budds Creek MD(301)475-2000 7/16 Desolation Turkey Run Lake Desolation NY 7/16 Foggy Mountain Breakdown Enduro Blain, PA 7/16 Greylock Hare Scrambles Windsor MA 7/22-23 Al Eames Memorial National T.R./D.S. Adams MA 7/22-7/23 AMA National Dual Sport Adams MA 7/23 Tri-State Enduro Oxford MA 7/23 VCHSS Hare Scrambles Ivor VA (804)488-6315 7/30 Belltown Scrambles East Hampton CT 7/30 ECEA Hare Scrambles RORR, Eastern PA 7/30 VFTR Dual Sport Eastern PA 7/30-8/4 AMA National Dual Sport

The ECEA So Far

Kinross MI

After rumors this winter of Jack Lafferty Jr. retiring from the racing scene, it seems like 1995 will be yet another Lafferty runaway. So far Jack, who is riding a modified Honda CR250 through Fairway Cycles, has won three of the five events run so far, and doesn't appear to be slowing down. Where have we heard this story before? The two that Jack missed went to friends and neighbors; former ECEA champ Kevin Bennett won the Greenbrier enduro, and Jack's brother Mike won the Ridge Run. The big question at this point is will Tri-County members will all of the enduros on the schedule this year? It's possible.... In the mean time, watch out for a Lafferty win at an ECEA enduro near you.

KTM Turns The World Upside Down, Again.

(According to Industry Experts)

"KTM Sticks A Fork in Japan...Now it's up to the Japanese to see if they can hang...A company will have to release something truly phenomenal to top KTM's suspension package" --Dirt Rider

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"The most important new bike of the year: KTM's 620 & 400 R/XC dual sport machines." **--Dirt Rider**

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them you want a catalog.

Hamel the Hound

If you want to know who the top hound dog is out west, well it must be Danny Hamel. According to a press release from Dunlop, Danny just clinched his fourth straight AMA Hare & Hound series title, by virtue of his fourth straight overall event win in the series. He took

the top spot at two races in Lucerne, California, one in Murphy, Idaho, and one in Jericho, Utah. This is the halfway point for the season, with racing to resume with two more events in the fall, but now it'll be a race for second place. In the mean time, Hamel is working on qualifying for the ISDE, to be held in Poland this year.

Cunningham Champ

In other news from Dunlop (both these guys are sponsored by the big D), former four-time national enduro champ Terry Cunningham wrapped up the Mid-South Winter Hare Scrambles Series on April 23, with a first place finish in the series' final round in Mannington, Kentucky. We saw Cunningham at the Ohio national enduro reported on in this issue, and he was riding well enough there to finish third overall, against some intense competition. Moral of the story: just because you don't hear a guy's name every week, don't think he's riding slow!

California Guide

If you're going to be vacationing or traveling in California, it would pay for you to know where all the places to ride are, especially considering the closure of desert areas recently. To be certain, you need a guide, and as luck would have it the state of CA has just the thing. To get a free Guide to Off-Highway Vehicle Areas of California, send your name and address to: OHMVR Division, P.O. Box 942896, Sacramento, CA 94296-0001, or call (916)653-9072.

Gnarly Dual Sport

Ed King from Michigan faxed us a note letting us know that 225 riders at Racer Productions' second dual sport of the season, in the Daniel Boone National Forest, was not a beginners ride. The ride was "trail-bossed" by Jeff Russell, and apparently he and Scott Summers and Fred Bramblett spent a fair amount of the ride re-routing and helping riders through tough sections. Hey, there's nothing worse than a

1995

SLEEVES

RINGS CON RODS

wimpy dual sport, right? Sad news from Racer Productions is that the Blackwater 200 for this year was canceled, which is old news since it all happened back in June. No telling if Davis, West Virginia, will ever see another motorcycle event after this set-

Shopping by Computer In case you're wired-up, here's a little tip:

Motorcycle Shopper magazine is now available on Compuserve. You can access Motorcycle Shopper's online database of used-bike ads, and either upload ads or download them to your machine for reading later. You can get there by entering the Motorcycle Forum and looking for Motorcycle Shopper. For more information or a subscription you can contact Motorcycle Shopper at (407)860-1989.

Ty's Secret

Ty Davis is the offspring of famous suspension tweaker Terry Davis, of Terrykit and Terrycable fame. Terry is one of the nicest guys you'll ever happen to meet, with an engaging down-home way of solving every mechanical problem. Now, it's no secret that Kayaba upside-down forks have always suffered from harshness, especially when used off road rather than motocross. Plenty of people have sworn by the new Marzocchi forks to cure the problem, and even Ty was using them early in the season. But now he's switched back to upsidedown Kayabas. Terry says the big reason for the switch is Terrycable's new "Double Pumper" kit. That's right, the first Terrykit

in almost a decade replaces just about all of the stock cartridge damping in the Kayaba forks and completely cures the harshness and other damping problems. The kit costs \$159 and contains instructions for installation. For more information contact Terrycable at (800)854-

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MOTORCYCLE CATALOG

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ISDE News

The first round of the ISDE qualifier series is history, and it shouldn't come as much of a surprise that Ty Davis won the overall at the event. Why not, he's won everything else this spring. Second overall was Rodney Smith, third was Steve Hatch and fourth was Randy Hawkins. Fifth overall was desert hare scrambles star Greg Zitterkopf,

who was riding a big 620 KTM. Have we ever told you that "zitterkopf" literally means "shaky head" in German? No? Betcha Greg is so happy we told you that. Maybe it'll make him mad enough that he'll qualify for the ISDE again this year.

Flanders Levers

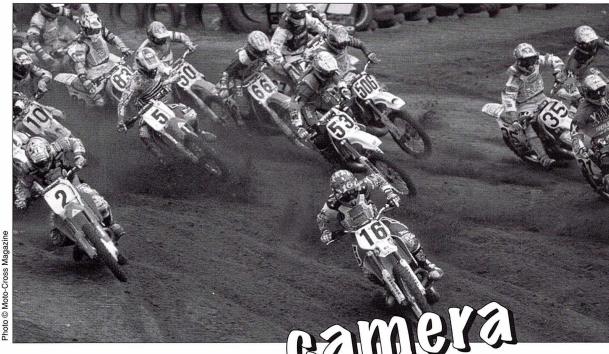
Flanders sent us a note saying "If you only run one of our press releases this year, this would be the one I'd choose!" Okay, sounds fair to us; this is the one they get. Flanders makes replacement lever blades

for OEM perches, but most importantly, they also make a guide book to tell you the exact part number you need. The packaging also lists exactly what bikes the lever blade fits. Certainly sounds easy to us. Check it out at your Flanders dealer.

Foam Tube Update

We're going to have to eat our words about foam tubes, but that's the nature of education, right? In our article on Tech Tubes and Moose Blue Tubes from the April issue, we warned that a short life span may keep you from getting more than a couple of races out of them. Of course, at that point we installed the tubes and planned to ride them until failure. Last week we removed the Tech Tube from our KTM after three ECEA enduros, over 200 miles of trail riding, and two laps of the CATRA course, and guess what? It looked

like brand new, even though the tire was worn out. The lube was still wet and slippery and there were no cuts in the tube. and although it might feel just slightly "softer" than it did when it was new, we wouldn't hesitate to use it again. Keep in mind that this tube was thoroughly lubed with the proper compound before it was installed, which we think is key to its survival. The Moose tube is still in the Yamaha, without as many miles on it, but it, too, is still holding up fine. It looks like you can expect to wear out tires with these things after all!

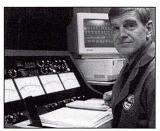


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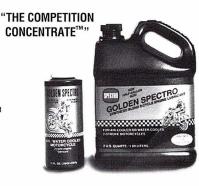
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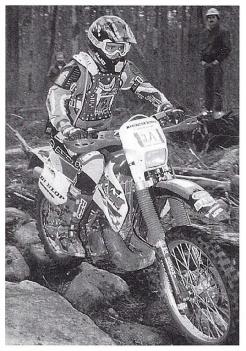


Monahan Memorial

by Jungle Dave, photos by J.D. and Jay Chittenden

Assonet, MA 4/30

The Saturday before this year's John Monahan Memorial Enduro started as a beautiful spring day. Temperatures in the mid 70's, cloudless skies, and low humidity, really had us stoked as we pointed the incredibly plush Trail Rider limo northward





Climate shock at NETRA's spring fling

at high speed. We were cruising I-95 with the AC on and the windows and stereo cranked up. When the "no smoking" sign clicked on, indicating we were about to land in Assonet, Massachusetts, a quick check of the cockpit gauges showed the windows and tunes still cranked up but the heat turned on. Outside, the trees were devoid of any signs of life, the sun went away completely and threatening clouds made us realize that weather reports really are a localized thing. After dinner at a nearby establishment (what the heck is a Quahog?) our pampered editor decided to get some extra z's and turned in early. This was a wise choice because twice during the night his beauty sleep was interrupted by major downpours of rain. The sun poked out early Sunday morning for about 2.5 seconds and the remainder of the day was overcast with the temperature hovering in the mid to upper 50's. Great racing weather!

The question everyone was asking at signup was "Are they putting us through the Swill Hole?" The sign inside Clarkie's barn told riders the happy news. It read: 'Relax, we are not running the Swill Hole this year. The rocks have been taken out to be sharpened and the mud is being thickened.' Oh darn! The Pilgrim Sands Trail Riders had approximately 160 riders pre-entered with

Left: Bert Guerrette is back, riding a KTM and smokin'. (Photo by J.C.)

Below, from left: The Freetown area is studded with interesting rock gardens here and there. It's tough, but there are some really nice trails out there as well. Not too many tears were shed about the lack of the Swill Hole in this year's run, a rock garden lubricated by a free-flowing stream through a swamp. Max Parkes claws his way out of a water hazard in the early part of the run. One thing's for sure about riding this time of year, you're going to get your feet wet one way or the other.

another 40 or so late comers bringing the grand total to 207 contestants for the day.

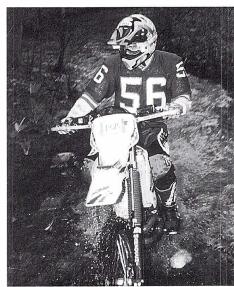
The state forest (Freetown) which contains most of the trails for this years' event has a little bit of something for everyone. You like rocks? They got rocks. You dig sand? They got sand. You into mud? They got it. Stream crossings? Yup. Cool rolling hills? Of course. Streets paved in gold? Who cares, we don't ride no stinkin' streets!

On the start, the riders were anxious to go. Each line literally blasted off with little regard for their fellow competitors waiting behind them. When club member Kevin Hines helps put together the course there is no such thing as free time in Freetown.

Right away participants were treated to a secret check which took a couple points from everyone except the most severe throttle twisters. Included in this section was a small rocky stream the course ran down for about a hundred feet which gave a few riders a scare and wet feet. Next was an emergency check that fast guys zeroed, followed by a reset. Check number three was a check-in to some high speed rolling terrain with the check-out clipping a few points from most participants. The remaining two checks before the gas stop, which was sensibly located back at the start area, were zeroed by some but the majority dropped a couple ticks.

Ground mileage up to this point was a paltry 28.9 miles. But as they say, it's quality not quantity. The day's second and final loop would end the C riders at check number ten, the B people at check eleven and punish the rest with a grueling points taker terminating at check twelve. Total ground mileage for A riders was 65.6 clicks on the odometer, with the B contestants doing slightly less and the C's a of couple thankful miles less than the B's.







Kerry Clark broke ahead of the rest of the A riders, and came within two points of Guerrette's score but couldn't catch him. He took home the A High Point trophy for all his trouble.

John Monahan		B Four Stroke	
Memorial Enduro		Bryan Liebenthal	27
Bert Guerrette	16	2. Alan Walker	36
Overall High Point		3. Kevin Jordan	36
Kerry Clark	18	4. Paul Cone	37
High Point A		B Senior	
Jason Cayer	16	1. Ken Davis	30
High Point B		2. Robert Kamay	37
Mike Dowling	23	3. David Mathisen	40
High Point C		4. Robert Landry	41
A Bantam		B Veteran	
1. Pete Tanner	21	1. Tim Dingle	28
2. Darrell Szlacheta	23	2. Steve Brown	29
3. Jerry Madore	23	3. Dennis Gath	29
4. Kevin Howley	24	4. Bill Reardon	30
A Light		C Bantam	
1. Eric McEachern	19	1. Joe McLaughlin	33
2. James Kelly	19	2. David Parmelee Jr.	33
3. Rick Claxton	21	3. Peter Anania	42
4. Dave Gunn	21	4. Mark Beauregard	42
A Heavy	-1	C Light	
1. Mike Slechta	20	1. Dan Newton	30
2. Mike Zahansky	21	2. Jim Cooney	34
3. Eugene Sweetser	26	3. Anthony Donohue	40
4. Dan Cowan	32	4. John Disimone	45
A Four Stroke	02	C Heavy	70
	24	1. David Bishop	29
1. Bill Drummey	40	2. Mark Lufkin	31
2. Rich Seymour A Senior	40	3, J. C. Zwick	34
	04		46
1. Jerry Randall	21	4. Russ Armstrong	40
2. Fred Burnham	27	C Four Stroke	00
3. Jerry Harris	33	1. Justin Lin	36
4. Bill Johnson	35	2. John Merola	48
A Veteran		3. Gary Johanson	49
1. Max Parkes	19	4. Dean Coulter	50
2. Tom Vella	25	C Senior	
3. Sam Fischer	27	Russ MacIntyre	39
4. Ken Robbins	27	2. Gerald LaBelle	41
B Bantam		3. Francis Kaess	43
1. John Robbins	19	4. Michael Suriani	44
2. Barry Szlacheta	28	C Veteran	
3. Jeff Picard	34	1. Tony Calabro	34
4. Tim Caswell	40	2. Brooks Saunders	37
B Light		3. Ron Beliveau	41
1. Mike Toth	21	4. Thomas Hall	41
2. Jon Laramie	21	Super Senior	
3. James Roberge	24	1. Gordon Razee	48
4. Matt Bingham	26	2. Don Burnett	52
B Heavy		3. Ernie Mellor	61
1. John Rosier	20	Women	
2. James Copeland	26	Karen Whittier	86
3. Gary Schiessl	31	2. Michelle McKinnon	2016N=679UH
	31		ck.9
4. Gary Ryan		3. Sherry Landry	ck.

When the race ended and the bench racing began it was Bert Guerrette's score of 16 topping the field. High Point A honors were bestowed upon Kerry Clark, with his score of 18 points squeaking ahead of Eric McEachern, James Kelly, and Max Parks, all of whom posted 19's. In the B class, Jason Cayer bested his nearest competitor, ECEA transplant John Robbins, by three points. Top of the heap for the C class was Mike Dowling, who dropped 23 for the day, beating David Bishop by six.

The Pilgrim Sands Trail Riders must be commended for putting on a great ride for all of the competitors. We like the idea of the staggered cut-outs for the different classes. Food was available at the start on

634 Port Carbon-Saint Clair Hwy.

Pottsville, PA 17901

Sunday afternoon and camping for the weekend was free...thanks, Clarkie! The scenery remains beautiful even if the weather was a little bleak.

We would like to extend many thanks to Gordie Coyle for showing us around and offering up some interesting tidbits of info, such as Kevin Hines buying a couple of Montesa trials bikes! Gordie is a great guy, kind of like the Ed Hertfelder of NETRA with two major exceptions: he has a heck of a lot more hair and is no way near being the world's worst dirt biker. The John Monahan Memorial Enduro is a great race held in a beautiful part of the country. We are extremely glad we made the trek, and if you didn't, definitely try to do so next year!



717-429-0678

Earth Day Weekend

Community service is the best way to build a good reputation

by Paul Clipper

Without a doubt. the best thing you guys do is that trash clean-up in the spring. You wouldn't believe how many points that buys you."

The words above came from a New Jersey forest service official a few years back. I forget who it was—I've always had an aversion to authority, especially that which is paid by my own taxes—but the message was clear: If we didn't come around and help them out occasionally, we wouldn't have a leg to stand on when it came to putting on our events in this state.

Believe it or not, our lot has even gotten better in NJ, after five years of community service. This year, in informal situations the rangers have joined us in grousing about the hikers, who complain about everything and never lift a finger to help. We've also

heard bad noise about some of the equestrians in the state, who have staged events without even bothering to get a permit. As you won't have to tell any enduro clubs, not getting a permit is Big Trouble in the eyes of the state forest people.

So the greenies in this country long back declared a spring weekend in April as Earth Day, where we're all supposed to forget about big polluters and toxic waste disposal sites for a weekend and root around in the woods and pick up the litter the less-informed among us throw out their car windows. Do I sound

miserable? Sorry, it just gets to me, this emphasis on little trash while the big spenders/big polluters carry on business as usual. Personal feelings aside, the effort we put forth on such projects really do make a difference, and the woods are remarkably cleaner as a result.

The first years we had the trash clean-up, organized for the state forest by the Burlington County (NJ) Federation of Sportsmans Clubs, we hauled so much trash out of the woods that we really did create a disposal problem. We filled eight 30-yard dumpsters and still wound up with a couple stray piles of trash at the meeting site. We also filled a 40-foot trailer to capacity with discarded tires, and had a little overflow on top of that. At that time, five years or so ago, you could walk the length of any well-traveled forest road and pick up a sixpack of beer bottles every ten feet or so. In 1990, we picked up eight tons—that's



The Central Cycle Club sponsored a clean-up in the Pachaug State Forest in Connecticut, and packed a number of their trucks will all manner of trash. Above: Members of the Meteor Motorcycle Club pick the shoulder clean on a Jersey pinelands road.

16,000 pounds—of glass bottles, mostly brown.

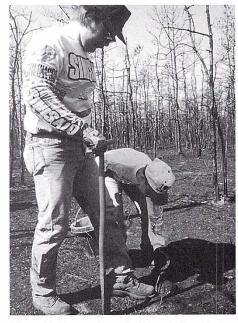
Going back over the roads in 1995, I'm happy to report that it's working. There was no way you could pick up that quantity of trash this year; not unless you went out of the state forest and started working the neighborhoods. Most riders notice it when they're riding, it's just plain cleaner out there. This year we filled two 30-yards dumpsters and one 20-yarder, and packed a 40foot trailer only half-full with tires. Most of the clubs participating spotted the trashiest areas ahead of time, while out haunting the woods this spring, and immediately went out to the problem spots and cleaned them up. The grand prize winners in this category were the Pine Barons Enduro Riders, who brought in two loads of trash in a stake-body truck before anyone else showed up at nine!

More than 80 volunteers representing the New Jersey Trails Conservancy and the East Coast Enduro Association turned out for the clean up this April 25rd, easily a third of the attendees. There were also two troops of Boy Scouts (#47 and #19), the eighth grade Environmental Club from Indian Mills, the Indian Mills Volunteer Fire Company, a group of ASPIRE volunteers, the Iron in the Pines 4X4 Club, the Goose Pond Gun Club and the Bighorn Gun Club, better than 200 people total. No hiking clubs, no Sierra Club? No, none at all in attendance; not surprising for a group that only likes to complain about things and never does anything but.

It was a good turnout though, and the effort is appreciated by the forest service, and certainly helps our cause.

Tree Planting

Now the day before the trash clean-up, a smaller number of us met at the headquarters of the Lebanon State Forest (home of the Scrub Pine and Pine Hill enduros), and assisted State Forestry personnel with tree planting. This is another Earth Day weekend tradition, although one little know by most riders. Here's a situation where you have a say in how tight the woods really are: you go out and actually plant the trees!



Shawn McKenna and son plant trees in the state forest. Down this way, the Forest sponsors a number of tree-planting days in the spring. Call your local state forestry office for details in your area.



This is one of the spots we replated about four years ago. Four more years without a fire and it'll qualify for prime Jersey Tight, that miserable, bar-knocking abusive trail that everyone loves.

Two areas were earmarked for planting this weekend. One was a plantation in a clear cut area and the other was planned to cover a very recently burned area in Fish and Game lands. There were about 30 NJTC members in attendance, and about half went to the plantation while the rest of us headed out to the burned-out area in Fish and Game, mostly to appreciate the irony of replanting trees in a place we weren't allowed to ride. If you've never been in a recent fire zone, it was worth the experience. Hot, dry, burnt to a black crisp is the best way to describe it. By the end of the morning panting session we had put a few thousand oak trees in the ground, the foresters tell us the survival rate is actually

much better than we might think. Driving past plantations we had done in past years proved them to be true, with hundreds of new tress growing as healthy as you please.

Picking up trash can make you miserable, but planting trees can actually be fun; like you're giving something back for all the enjoyment you get in the woods, or investing the in future. Most state forest services sponsor planting sessions, and are

always appreciative of any help they can get. If you want to volunteer your club for this kind of service just look up your state Forestry Department in the yellow pages and ask them if they offer volunteer days like this. Chances are you'll get an enthusiastic response, and they'll remember your help.

Earth Day North

John Majewski of the Central Cycle Club in Connecticut sent us a note and some photos of their clean-up in the Pachaug State Forest on Earth Day weekend. John tells us that club members picked up 4700 pounds of trash, as well as 78 tires and numerous large appliances from the byways of the



This is what the woods look like after a hot burn. This happened early this fall, and thousands of acres of pines went up in smoke. We were replanting the area with oak seedlings.

state forest, and all this was disposed of at no cost to the state of Connecticut. The CCC is committed to promoting motorcycling in a positive light, and certainly this kind of work really helps. They put on the Pachaug Turkey Run in the Pachaug State Forest on October 29; you might consider going up and trying out their ride, it's pretty neat. And, the woods will be nice and clean for you!

Thanks to all the clubs and organizations that went out of their way to make the world a little cleaner this spring. If your club has a community service project you would like us to report on in Trail Rider, write it up and send it in, and we'll let the world know what you're doing.



Sandy Lane Enduro

A beautiful day to start the season

by Mark Uth

Greenbank, NJ 3/19

The Meteor Motorcycle Club kicked off the 1995 ECEA season as well as the fledgling New Jersey State Enduro Championship Series (NJSECS) with the 58th annual running of the Sandy Lane Enduro. Scheduled for March 19, literally the last weekend of the winter season, weather could have been, should have been, a question mark. However, the Meteor guys lucked out again with an unseasonably warm, spring-like day of clear skies and temperatures that rose into the low 60s.

Trail boss Henry Braaksma had laid out a seemingly friendly ride of 75 or so ground miles for the more than 400 riders that descended upon Greenbank for the event. The course made use of classic South Jersey type terrain that included fast cruising through open deciduous woods, the old bog dikes of the south plains, typical pine and broad leaf forest with occasional wetness, and the obligatory trails through the dwarf pine of Coyle Field. A pleasant surprise, the run included considerable whoop and rut-free fresh trail (at the onset), and

even more surprisingly, the race was run entirely at an 18 MPH speed average!

Pre-race speculation had hoards of riders zeroing the course for another "Candy Lane" flop. This was not the case. Instead, the single loop course (separated by three gas availables), managed to sandwich a handful of bony special test sections with checks coming and going, taking a fair amount of points from all in the process. A layout chock full of resets kept all but the spodiest riders on-time and hammering for a full day in the saddle.

Departure from the start had riders keeping time nearly all the way to the first gas available. A couple of secret timekeeping checks were followed by a tricky emergency check located in the dike area of the South Plains. Whooped trail, roots and abrupt turns kept all but the fastest riders on the hammer. While slower riders dropped a point or two, top riders could easily burn the check—many did. A short romp thereafter down sand road connectors brought riders to the first gas available at the Friendship ghost town.

After a refueling and a reset, it's back into woods and across a big swamp (via a lengthy dike) and into some ignorant tight

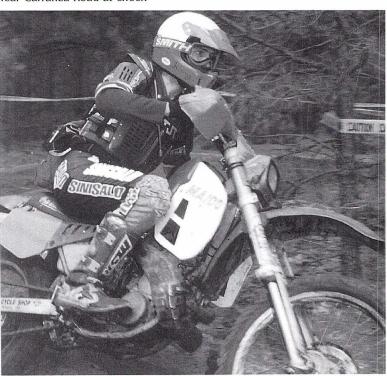
trail near Carranza. A secret check-in was a prelude to a short special test that ended near Carranza Road at check number five. The piece included some tight trail through rutted low lands that presented



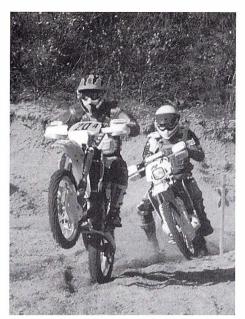
Frank Vanaman is another of the nearly unstoppable Tri-County riders. He finished third A250, behind two of his other club members.



Steve Leatherwood spun the wheels off his YZ, and took the High Point A trophy with 11 points lost. He was part of a pack of 11-point finishers, but beat them all on tiebreaker points.



ECEA's most successful Maico rider, Tom Folkl. Tom won the 1993 A Open class in ECEA, and won his class at the Sandy Lane this year by two points.



Randy Ferman of the Ridge Riders (20A) won the B125 class. He leads Steve Honczarenko, who was second in the B250 class.

much carnage for later rows, followed by fast cruising though open deciduous forest. Best scores for the piece were several zeros posted by Rich Lafferty, Marc Grossman, Craig Cossaboon and Frank Vanaman. Most others were clipped for a point or two, while top riders again ran the potential of getting singed, reference the hot points carded by Jack Lafferty, Jr. and Dale Hiles.

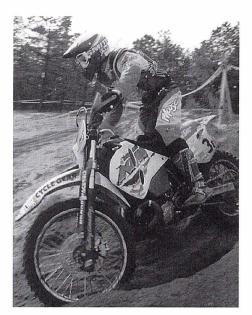
A reset followed and soon thereafter

another potential points taker, sandwiched by secret checks, was run over fast trail through freshly control-burned open woods. This was no doubt the clean-out-the-pipe section and proved great fun except for that sooty ash dust kicked up by preceding riders. Again fast riders who slowed the pace were rewarded with zeros while the inattentive, most notably Craig Cossaboon, Steve Leatherwood, Tom Folkl and Jeff Kirchner, carded more hot points. After the check-out a short connector led into the second gas available located on Seven Bridges Road in Chatsworth.

The course then ran riders down the road toward the inevitable Coyle field sections. Check #8, a couple of miles later, led into a lengthy piece of ignorant tight trail that saw the first universal point loss at the ensuing check-out. Jack Jr. set the pace here with an unequaled one point loss, while a handful of twos were posted by Rich Lafferty, Grossman, Hiles, and Rich Stuart.

A reset and short timekeeping piece followed and then it was back into the bush. Another lengthy section in the heart of Coyle Field began with a secret check-in and ended with an emergency check-out, more than seven miles later. Serious points lossage for most followed as Jack Jr. again aced the field, with the only single point dropped. Rich Lafferty did second best, posting the only two, while several riders including Hiles, Stuart, Leatherwood and Vanaman trailed with threes. Afterward a reset and short jaunt brought riders to the day's final gas available at Oswego Lake.

At the final gas, Jack Jr. and Rich Lafferty were tied at 4 points down, going into the anticipated final special test. Grossman and



Rich Lafferty chased his brother all day, but even though Jack burnt a check Richard couldn't catch him. Rich was second overall, first AA.

Hiles trailed as long shots at that point, showing 6 and 7 cards, respectively. Clearly some help would be needed.

Riders were checked into the final piece, a fairly short section of fast trail and open woods. To make a long story short, Jack Jr. smoked the competition and zeroed the check-out, followed by the one posted by Richard and a handful of twos by the rest of the hot-shoe field. The race ended with two track and paved road connectors that lead

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Winning it the hard way, Jack Lafferty, Jr. earned the '95 Sandy Lane Grand Champion prize with a four score, overcoming the two hot points spotted early on to the rest of the field. Jack Jr. consistently posted the fastest times in every single special test. Runner-up to the overall was Richard Lafferty who lead early by zeroing the check (#5) that Jack burned, but fell a point behind Jack at every subsequent check-out. Richard finished with a five card and the first place AA trophy. Marc Grossman completed a good ride eight points down and third overall. Dale Hiles placed fourth overall on the merit of his nine card, his results suffering as a result of the two hot points dropped in the morning.

The top five overall rounds out with a B Class interloper, OCCR phenom Dave Groemm. Dave posted good scores all day long aboard his KX500, dropping 10/241 on his way to earning the High Point B. Hot points decimated the finishes of numerous top A class riders. Nonetheless, Steve Leatherwood overcame early hot points with top special test scores to earn the High Point A trophy with an 11/188 score. Runner-up to the HPA was BER's David Waltz with an 11/236 card.

Meteor presented a healthy spread of plaques and trophies in typical ECEA fashion. While riders waited for results to be posted, many sampled good food that included burgers, dogs, chili and venison treats, served by friendly gun club members. In all, few complaints were heard as perfect riding conditions

prevailed over any spankings had during the day. The post race blotter revealed no negative feedback from any government officials and/or authorities, and no injuries of any significance. As expected, everything came up spades for the wagon wheel crew, and they are deserved of sincere thanks for their efforts. \Box

Sandy Lane Enduro Class Results		5. Wayne Fontanazza A Veteran	KTM 17	Steve Honczarenko Jim Fontanazzi	Yam 20 Yam 20	5. George Parker Jr. C Medium	Kaw 44
	Hop 4	1. David Waltz	Kaw 11	4. Mike Dolecek	Kaw 21	1. Michael Bradway	Yam 17
Jack Lafferty Jr.	Hon 4		Kaw 12	5. David Maco	Suz 22	2. Mike Hickman	Kaw 21
Grand Champion	Yam 11	2. Jeff Kirchner	Suz 12	B Heavy	3u2 22	3. J. Shukovsky Jr.	Hon 30
Steve Leatherwood	falli i i	3. Todd Reder 4. Stuart Crouch	Hon 12	1. Marshall Rose	22	4. Bobby Solomon	Kaw 32
High Point A	Vou 10	CONTRACTOR SECURITION OF STREET OF STREET SECURITION OF STREET	Hon 13	2. Richard Kline	Yam 23	5. Brian Burke	Kaw 32
Dave Groemm	Kaw 10	5. Kevin Kuenzner A Senior	חטוו וט	3. Dave Uth	KTM 26	C Heavy	Naw 32
High Point B	Vom 17		Vou 10		KTM 27	1. Steven Guers	KTM 31
Michael Bradway	Yam 17	1. S. Wolfersberger	Kaw 13	4. David Merling	KTM 31	2. Mike Stoddard	Kaw 47
High Point C		2. Bill Atherholt	Suz 13	5. Anthony Palumbo	KIIVIOI		
AA	I/TAA F	3. Wick Wickline	Yam 16	B Veteran	Yam 23	Roger Huenemeye Shown Rabasak	
Richard Lafferty	KTM 5	4. Thomas Marsh	Kaw 18	Michael Bianco Management	SEA PLANT DE SE LE PROPERTI DE	4. Shawn Babcock	KTM 57
2. Marc Grossman	Kaw 8	5. David Barlow	Kaw 19	2. Kurt Maas	Suz 24	5. Ken Wadle	KTM 57
3. Dale Hiles Jr.	Yam 9	A Super Senior	W 40	3. Lou Green	Hon 26	C Veteran	11 40
4. Richard Stuart	Kaw 10	1. Charles Stapleford	Kaw 18	4. Sven Harms	Kaw 26	Michael Thompson	
5. Hank Stankiewicz	Kaw 12	2. Jack Lafferty Sr.	KTM 18	5. Chris Wyckoff	Kaw 26	2. Glenn Shiffman	KTM 42
A Light		3. Pete Parlett	KTM 21	B Senior	005.00	3. Dave Chambliss	KTM 43
1. John Smith	Yam 11	4. Ralph Wickersham		1. Craig Burfield	CRE 29	4. Kevin Berryman	Yam 43
2. Pat Emmons	Yam 13	5. Ray McAloon	Kaw 30	2. James Schmits	Yam 30	5. Steve Phillips	Hon 44
3. Victor Chalow	Yam 17	A Four Stroke		3. Brent Bush	Kaw 39	C Four Stroke	
4. Ellis Tomlin	Yam 17	1. John Roeske	Kaw 12	4. John Diobilda	Kaw 44	1. John Putorti	37
5. Greg Davies	Yam 16	2. Mark Young	Hon 19	5. Michael Pratola III	Suz 46	2. A. Baumeister	Hon 41
A Medium Light		3. Eric Nijkamp	Kaw 19	B Super Senior		3. Danny Chavis	Yam 51
Scott Wolcott	Kaw 12	4. John Cushing	Hon 24	1. G.H. Huhn, Jr.	KTM 33	4. Ken Martin	Suz 55
2. Ed Hamilton	Kaw 13	5. Barry Crowe	Suz 28	2. Jim Jenkins	KTM 47	5. Mario DePalma	Suz 62
3. Robert Mohn	Kaw 15	B Light		3. Lewis Newman	Kaw 56	Masters	
4. Mark Marcin	Kaw 18	Randy Ferman	Hus 24	4. Bob Darpino	Kaw 57	1. Joe Galie Sr.	Yam 50
5. James Brethauer	Kaw 19	2. Ed McGall	Yam 27	5. Chip Furlong	Kaw 59	2. Dan Van Driel	Hus 54
A Medium		3. Craig Copeland	Hon 28	B Four Stroke		3. Ed Baker	Hon 66
1. William Smith	KTM 11	4. Steve Fox	Hus 38	Blair Kolbeck	Hon 25	4. Robert Hoover	Hon 117
2. Lewis Smith Jr.	KTM 12	5. John Rizzo	Kaw 59	2. Rob Kirkpatrick	Hon 25	Women	
3. Frank Vanaman	KTM 12	B Medium Light		3. Enrico Galassi	Hon 28	1. Kathi Cambell	Kaw 34
4. Mark Spence	Kaw 12	1. Ed Sohayda	Kaw 17	4. Jeff Jensen	Hus 30	Dual Sport	
5. Jim Franks	Suz 12	2. Ron Lucas	Kaw 20	5. Frank Lillo	Hbg 33	1. Bill Hess II	Suz 31
A Heavy		3. Jeff Huesman	Kaw 23	C Light		2. Mike Webb	Yam 210
1. Tom Folkl	Mai 13	4. Mike Lagola	Kaw 26	1. Phil Cassot	Kaw 23	3. Theodore Smith	Hon 217
2. Byron Culbertson	Hon 15	5. Todd Lockard	Kaw 30	2. Michael Cibulus	Kaw 36	Vintage	
3. Michael Moore	KTM 15	B Medium		3. David Van Pelt	Kaw 38	1. Pat Bilazzo	KTM 132
4. David Jobes	Hon 17	1. Steve Larkin	Hon 18	4. David Nash	Kaw 39		







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Phone Information: 717-376-2343, ask for Mark

Machine & Rider requirements: All bikes must have a license plate and a working, effective muffler and lights. No bikes started before 7 A.M. Any pit racing will be cause for disqualification of the involved rider. All riders must posess an ECEA or other District number enduro license. If you do not have an ECEA license, one may be obtained by taking the ECEA test on Saturday, August 6 at the enduro site between 1 P.M. and 7 P.M. If you are not an AMA "A" rider or "B" rider, please check "C" as your class on the entry blank. No refunds to accepted entrants.

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AMA No	Expires:	Witness
AMA Club Name:		
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Check skill level and cla	ss below:	
i □ AA □ A	□B □C	Parent/Guardian Signature (sign in ink)
Senior (40+) A-B Four Stroke A-B-C Veteran (30+) A-B-C	☐ Super Senior (50+) A-8 ☐ Women ☐ Masters (60+)	Notary Commission Expires

OFFROAD BY ANSWER

How to ride in Scott Summer's clothes and save riding land at the same time

by Jungle Dave

Recently we tried out a set of gear from Answer Products' new Scott Summers Off Road Line. The complete line included a slick enduro jacket, commodious pants, Cold Front gloves and

a loud cotton jersey.

The jacket and pants are offered in three tasteful color combinations; red, blue, and the violet which we obtained. Both garments use equal amounts of black and gray so you will not look like a P.T. Barnum sideshow. They each incorporate a material very similar to Gore-Tex called Entrant GII. This fabric is waterproof and windproof while still retaining its ability to allow perspiration to evaporate. The outer shell is your typical heavy duty nylon while the inner lining is wisely constructed from mesh nylon. Also, each have liberal amounts of Kevlarreinforced material in the elbows and knees.

The jacket has two large ventilation openings on the inside forearms and one large opening across the back. The vents on the forearms zipper open and have a storm flap that uses Velcro to hold it that way or seal it tightly shut. There are four pockets on the front, the lower ones having a zipper and the upper two using Velcro. The main front zipper has a Velcro storm flap and ends at the comfy fleecelined collar that can be closed tightly on those chilly rides.

We have worn the jacket, pants, and gloves when the weather was really foul and must report that all performed exceptionally well. The Cold Front gloves use neoprene backing for warmth and a padded synthetic palm that is reinforced in critical areas. A nice added touch to the gloves is the long wrist enclosure that tucks way up inside your jacket. The Force jersey is all cotton with a taller collar. All the graphics are of the silk screen variety, match the color schemes well, and generally look pretty

One down side to this high tech material is that the manufacturer recommends it only be washed by hand! Bogus! Realistically, most of our faithful sidekicks will barely tolerate putting our smelly, sweaty gear into a washing machine, adding detergent and pushing the appropriate buttons. This hand-washing thing will just not fly. Naturally, being semi-fat, lazy editor types, we choose the easy way and select the most gentle cycle our machine has, and remove it before the spin cycle. This again, is completely against the manufacturers' recommendation, so keep in mind that if you want it to

last treat it right.

Retail pricing is as follows; jacket \$259.95, pants \$184.95, jersey \$26.95, and gloves \$42.95. Sizing is accurate to real world standards, so act accordingly. This product line is made for us discriminating hard-core eastern types and should last a long time. We consider it a wise investment, especially when Answer Products is doing something for us in return, besides making some fine gear. Answer is putting cold, hard cash back into the sport of off-road recreation. As enthusiasts buy items from the Scott Summers Line, a portion of the purchase price will actually go in a fund dedicated to keeping land open to OHVs! Called The National Open Trail Fund Coalition, it is administered by the AMA and is no doubt a worthy cause for anyone in the sport. So, make a direct donation or better yet, buy some of Answer's gear and let them do it for you.



Jungle Dave plays peacock in Answer's new Scott Summers line of gear. Water repellency is great, and the jacket is designed to fit tight, to avoid snagging on trees and brush.



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by Mark Uth

Sparky Parts

Thanks to today's pointless electronic ignition systems (PEIs), black boxes and other mystery electronics, the maintenance and repair of typical bike ignition systems consists of little more than spinning in a fresh spark plug every now and then. This wasn't always the case, however. Most bike owners will still remember the days of gapping points with matchbook covers and really being worried about ignition cover waterproofing. While PEIs have certainly improved ignition reliability and durability, fact is that when they do fail (or are even suspected of failure) diagnosing and isolating the cause and/or offending component can be a tough nut to crack. As usual, a little background can help the effort.

In the olden days, a motorcycle ignition system consisted of a stator plate (with integral breaker points), rotor (flywheel) and ignition coil. Windings on the stator plate produce an electric current when the magnets on the rotor pass by. When breaker points are opened, this current is allowed to travel to the ignition coil, which is essentially a transformer that steps up the voltage considerably. The high voltage charge then makes its way to the spark plug and jumps the plug gap with a fat blue spark, provided everything is in proper working order and adjustment.

Most problems with breaker point ignitions are in some way tied to the points or point contacts. To begin, the point gap must be set with some accuracy, as this not only controls the spark characteristics, but affects the timing as well. While this sounds simple, the placement of the points beneath the flywheel confounds the process. Furthermore, most breaker points themselves have the tendency to work themselves out of adjustment all too frequently, as the single screw mounting schemes are not very secure and the point contacts and rubbing blocks simply wear out frighteningly quick.

PEIs have been around since the '70s and eliminated mechanical failures associated with breaker points. They consist of mostly the same components, including stator plate, rotor and ignition coil. The big difference is, however, that there are no contact points on the stator plate. Stator coil output is instead routed into an electronic module (also called the "black" box or ignition module) that electronically determines when the spark should be fired. Some manufacturers

(i.e. SEM) further combine the ignition module and coil into a single unit.

PEIs have evolved since their debut, as original versions were analog type while new digitally controlled PEIs are now emerging. The difference between the two is how the ignition module determines when the spark should be fired. Analog PEIs most often determine engine speed by measuring a voltage produced by another coil on the stator, while digital ignitions use a sensor (or pulse generator) much like the odometer sensors used for enduro timekeeping gear. The digital pickup lets the ignition know when the crank is at a fixed position relative to TDC and the duration between pulses determines engine speed. Spark timing is controlled by a programmable chip found within the digital ignition module that tells the unit when to fire at a given engine speed. The neat thing about digital ignitions is that this chip can be programmed for different ignition (spark timing) curves to drastically change engine performance.

Many motorcycle manufactures are making use of this capability during bike R&D efforts.

Cagiva/Husqvarna uses a digital electronic ignition on their Husky 610. During the prototyping phase, plug-in chips are used to test different ignition schemes and optimize performance. Unfortunately, the production model gets a fixed chip and the entire ignition module is pot-

ted for water resistance and durability, making owner changes nearly impossible.

The Answer Roost Boost, popular some years back, was another scheme used to alter ignition curves through electronics that was received with mixed results. The Roost Boost is a simple circuit that "fools" the ignition into thinking the engine is running at a different speed, and changes the timing accordingly. It is likely, however, that sometime in the future, interchangeable chips could be offered for motorcycle ignitions to allow racers the ability to tune their power delivery to particular riding conditions. Look for an entire aftermarket industry to spring up around this capability.

The drawback with electronic ignitions is that when they do fail, you've got big (read: expensive) problems. Forget about trailside fixes and get the tow rope out because there's no grey area of electronic ignition failure—it either works or it doesn't. Sure, you'll check the wire connections and grounds for good contact, but don't get your hopes up. Even when back at the garage, it's still trouble. This might actually be one of the few cases where your dealer is the best option for fault isolation.

Almost universally, shop manuals are poor when it comes to diagnosing and pin-pointing electronic ignition component failure. Said shop manuals use tables and ranges of resistances, voltages and/or continuity, to determine the health of a given component. The home mechanic is faced with the

prospect of using a multimeter to measure the various indicators. The problem is that false positive indications abound, and many new components don't even fall within prescribed ranges.

The surest way to determine the failed component (and the way most dealers use) is to swap out known good parts. A riding buddy with the same bike is a good solution. If you don't have access to spare coils, ignition modules, etc., purchase of these non-returnable electric parts for testing is an expensive solution.

Once you've identified the offending component there are several repair/replacement options, depending on the component(s) needed. Be advised that most OEM ignition parts (stator plate, rotor, ignition module, coil) are fairly expensive, some costing several hundred dollars apiece. Added together, an entire replacement OEM ignition system could cost nearly \$1000! Also note that, for the most part, different

ignition system components (from different makes, models, years) cannot be mixed and matched.

In the case of failed ignition modules or ignition coils, these parts are simply not repairable and must be replaced. Regarding stator plates, however, there are several shops that specialize in rewinding stator coils, as well as some other ignition components at a price considerably less than the cost of a replacement sta-

tor plate assembly. Rewind services for most late model bikes can be had—see the vendors listed at the end of the story and call for individual model/component applicability.

Another option is to consider a complete aftermarket ignition system. One such source is Dane Leimbach's outfit (Penton Imports), which is a distributor of performance motorcycle ignitions, including Motoplat and PVL USA. Nearly everyone has heard of Motoplat, the now-defunct manufacturer of ignitions for many European dirt bikes. Dane still retains considerable inhouse stock and long term experience with these ignitions. Even better is replacement ignition manufacturer, PVL USA, who manufactures performance ignition systems for nearly all post-1980 Japanese bikes, KTMs and Huskys.

The reasons for choosing an aftermarket replacement ignition are many. First, replacement OEM parts may simply not be available. With the failure of Motoplat, new OEM parts for many European models are not available. Additionally, the reliability of older Motoplat (et. al.) ignitions has often been questioned. You might also find that the cost of an entire aftermarket ignition system may be comparable to the cost of one or more replacement OEM parts (be advised, prices do vary). While a complete rotor, ignition box and coil) might cost \$750 or more, a replacement aftermarket ignition

system for that same application would probably come in at about half that.

Finally, aftermarket ignitions, like the PVL unit, are purported to be more performance-oriented, not making compromises to production costs or market surveys. While we haven't been able to analytically evaluate claims of stronger sparks or better reliability, one definite benefit is the lack of a rev-limiter on the Euro/PVL units, common on Japanese ignitions. While probably on the pricey side, other special features can be also be incorporated into specialorder aftermarket units, such as lighting coil options or breaker point ignition conversions. Your only limit will be the thickness of your wallet.

Aftermarket Ignition Systems:

Dane Leimbach PVL Electronic-Penton Imports 1115 Milan Avenue Amherst, OH 44001 (216)988-4474

Rewinding Services:

Custom Rewind 2014 Pratt Highway Birmingham, AL 35214 (205)798-7282

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LITTLE RACCOON

Hawkins wins the coonskin, but Davis keeps the lead

by Paul Clipper

Wellston, OH 5/7

So this was the story so far: Ty Davis, Jerry Bernardo's neighbor and Kawasaki off-road hero of the year, was leading the national enduro series and the guys from Suzuki were sweating bullets. If Hawkins or Hatch couldn't stop him, he'd take the championship away from Suzuki with little more than a thank you, but luckily the series was ending its spring fling in southern Ohio, land of notoriously difficult enduros. If there was a place the Suzuki team could get together and score some points on "Ty-wrap," this was the place.

How bad could it be? All you had to do was look around on the drive south, from Interstate 70 and Zanesville, all the way down to the Comfort Inn in Jackson, where a ton of us were staying. Every town had its own "Pottery Factory Outlet," and all the landscape between was filled with billboards advertising the next one. Now, pottery is a simple thing; and all you need



Steve Hatch fell behind in the early part of the run, but scrambled back to tie Randy for points, although Randy got him on tiebreakers.

to make it is one natural-occurring ingredient: clay. Get enough clay, and you too can own your own Pottery Factory Outlet, and the one thing southern Ohio has is clay.

You can spot it by the way the stream banks are cut-not smooth and sloping like sand, and not jagged and sharp like rock. All the stream banks are squared and shiny, in a slimy-looking way, and the water lay brown and menacing with no indication of depth. Worse yet, you look down at the



Randy Hawkins revealed some of his old form, and rode a smart, fast race to finish on top overall.

Raccoon Creek on the way down Route 50, and see that tell-tale slimy blue-gray-yettransparent color to the water, and you know that the stream bed is nothing but blue marl, some of the finest pottery-making clay you can root out of the ground.

Clay is not kind to motorcycles, and wet clay is especially foreign to a southern Californian like Ty. Mix it in with super-tight trees and typical eastern woods features like ruts and mudholes and roots, and it was plain that the pressure would be on him to hold onto his lead.

The rain had stopped on Thursday, and the weather for the weekend was going to be beautiful-blue skies and warm temperatures. Hanging around on Saturday afternoon we got to talking with Joe from Moose Racing, who wrenches for Steve Hatch, and he said they'd gone out testing that morning and the woods were just as slimy as they could get...this was said with the sinister chuckle that comes from a person who knows what conditions like that can do to a rider. Basically, everyone who'd been there before agreed. It was going to be a typical southern Ohio event. Senior and Super Senior class riders Gary Doerr and Ernie Mellor like to tell the story of the time they talked a load of New England riders into coming to southern Ohio and on that year it had been raining steady for a week or two before the event, and didn't even bother to stop for the start. Most all of the New England riders houred out before the first check, and vowed never to come back! They had plenty of company, since nearly everyone else houred out as well.

Randy Hawkins was certainly happy to be there, and was looking forward to a good

ride. He lamented for a bit with me on the gradual change in enduros from survival event to speed contest, something he had been quoted on in Cycle News and actually been accused of whining about it. He's right, though, and it's something I've written about in Trail Rider. Enduros are getting "easier," because of lack of land, rule restrictions and lack of imagination from some clubs, and because of that they are won by the fastest rider, not the most skilled survivor of the event. You can read this either way-you can say "yeah, that's right!" or you can shrug it off and say who cares, depending on whether you're judging people on their speed or their endurance. Personally, I think that "speed" enduros are a lot more dangerous, just because of the speeds you have to travel to stay in the results. You can collect a lot more damage when you hit a tree at 35 mph than you usually do when you whack it at 10 mph. Randy feels the same way, basically, but it sounds like sour grapes when you're getting beaten by someone who can simply ride faster than you.

Not to say that Ty Davis is a johnny-comelately. Remember that he finished top American at the ISDE for the last two years, against a huge field of America's best enduro riders. Ty is just plain good; and he's young and enthusiastic about what he's doing. He has something to prove. He knows he's good enough to win the enduro championship, and he dearly wants to do it. He was beaten two weeks before at a very muddy run in Louisiana by Kelby Pepper, but then last weekend he had won the over-



Ty Davis rode really well for an avowed westerner, but he held nothing in reserve for the last 21 mile section and wound up getting caught and passed by Hatch. He's still first in the points, however.



Terry Cunningham tries his best to take out the photographer. T.C. was basically riding in his own back yard, and finished third overall on his Gas Gas.

all at the Texas ISDE Qualifier. Up until Ohio, he had four national enduro overall wins to his credit, and a second in Louisiana. The bottom line: Ty is driven, and unless he injures himself out of the series he is very likely to win it.

Trouble is, he's got between now and October to worry about it, because that's how long we all have to wait for the next national (now that Ohio is history). October first is the next run, in Texas, and he can mathematically lock up the championship there, possibly, since the best seven out of nine events count in the nationals. On the 15th of that month is a round in Illinois, and then Delaware on October 29; and Ty does not plan on going to Delaware, since it conflicts with Baja preparations.

The day started out easy enough with a pavement ride out of the Wellston Fairgrounds, but it was just about enough time to check their odometers before they were dumped into the woods and shown what the word "mud" meant. The leaf cover isn't so heavy this early in the spring, so the high spots were actually firm and good riding. However, the shadow sides of the hills and all of the gullies were wet and slimy, and the first place we went to take pictures was a little stream crossing barely six miles out and already nasty.

The early riders had already gone through the obvious lines and chewed big ruts, and every minute seemed to sacrifice a rider out of its ranks to spend some time stuck. It took some thinking to get it right, and actually one of the first AA riders through had the best attack. Mike Lafferty, riding his KTM on minute 24, came down the hill looking at the gully in question and never even needed to pause when he saw a rider stuck in the obvious line. He picked a spot on the two-foot bank that was relatively open, wheelied his bike up and slammed right across, hopping up the other side and never even bothering to shift into first. Very impressive! This is Mike's first year on the national circuit, and it looks like he's definitely going to be a factor in the series overall next year. He's presently sitting fifth in points for '95.

Terry Cunningham came by next, and did the section with little fuss, just like he'd grown up around there, which he had. "T.C." lives right up the road closer to Athens, and spent all his life hammering through these woods, so there isn't anything down there that can surprise him. He was definitely in contention for the win, riding a Gas-Gas 125, even though he isn't competing in the national regularly enduros.

The rest of the AA riders came through, with varying amounts of success, but nobody having any real trouble. We ran to another spot on the trail just a mile or two further on, and watched them slither down a ribbon of grease across the edge of an open field—so much for the course drying out in the sun. Saw one poor soul slide out and dump it over the high side into a swillhole of black cake batter. He got up covered with mud and looking as disgusted as a human could, only to smear off what he could and continue up a deep gully of equally slimy mud and dog-paddle up a hill and back down the other side. And you know what? It wasn't even nine miles out yet...they wouldn't turn their cards in for another 135 miles or so, if they were lucky enough to finish!

Hawkins, Davis and Lafferty zeroed this first surprise section, and then everybody was given twenty or so miles of "easy" riding to warm up. A second six-mile section took points away at about 37 miles out, but here the entire AA ranks were awake, and Hawkins, Davis, Hatch, Lafferty and Kelby Pepper each dropped four points in the section. A gas stop, at 50 miles out, gave them all a ten minute break, and Hawkins was in the lead by then, with a handful of seconds over Davis, while Hatch and the rest were a point or more behind.

After the gas stop everybody was checked into a 28-mile section that was the backbreaker for the B's, C's and probably most of the A riders, but according to Randy "at least the first two checks were zeroable.



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Mike Lafferty had a great ride until a fouled plug slowed him down. Quoting Hawkins: "He's going to be real tough to beat next year."

The racing didn't really start until about 86 miles or so; at least that's where we started getting late." They were clocked out of the section at around 93.1 miles, and by that point Randy had whupped everyone else with a 2:26. Pepper turned in a good score with a 2:40, and Davis did a 2:58 while Lafferty dropped 2:50.

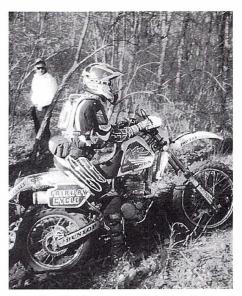
Hatch, meanwhile, had slipped further behind in that last section with a 3:37 after a crash and other little problems, and left him with a two-point deficit to make up

after the second gas stop. This would be the time for it, for certain, since the B and C riders were taken out and pointed home, and the remaining 45 miles were A and AA riders only.

The best description for this last section is "death march," because this would be the final chance, and there would be no let-up for the next 21 miles and three checks. The section was elbow-tight singletrack, hacked through what is best described as a jungle growing over reclaimed strip-mine land. Hundreds of acres of saplings and undergrowth so dense that the trail was no doubt the only way through, followed by uphill/downhill woods sections with steep hills and valleys of slime. Real enduro riding!

The first pair of riders to look out for was Mike Lafferty and Terry Cunningham, but here their order was reversed and it was Cunningham leading the charge. We found out later that Lafferty had fouled a plug going into the section and clocked in almost a minute late after changing it, and wound up carrying that late time through three checks, unfortunately, scoring a 6, 7, 7 on checks 12, 13, and 14, plus a 1 point loss at the check-in (check 11) that everyone else zeroed. It had to be a heartbreaker, because up to that point he was vying with Davis and Pepper for second-place points. Still Lafferty gets our vote for national enduro rider to watch out for next year. With this year of experience under his belt, he's going to be hard to control.

The rest of the AA riders filed past our vantage point, but we were waiting impatiently for the three riders out front.



Kevin Bennett rode the same minute as Lafferty, and hammered the A Four Stroke class by a wide margin on his XR250.

Hawkins was first, riding on 34, and he came through looking strong and fast...he looked tough to beat. Next would be Ty...but no! Hatch came through next, looking fast but wild, and mowed down a couple of saplings on the way past. Davis was about 20 seconds behind him, still looking accurate and strong, but the unmistakable "jello-neck" bobbing of the head was setting in, and we could see the fatigue in the way he steered the bike. Ty was being worn down by that good old southern Ohio ter-



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rain. "I felt like a jerk!" he said after-"Sawing wards, away at the bars through that tight stuff. When you get tired and start hitting the trees, it's no fun at all."

The best scores through that section were posted by Hatch, who went 3, 5, 5 at the three back to back checks; by doing so he erased his early deficit and pulled even with Hawkins, at 21 points each. Hawkins, who had been even with Davis before the section, went 4, 6, 5 in the long section, with Davis and Pepper clock-

ing in with a 4, 6, 7. That wound up tying Davis and Pepper up with 23 points each, although we didn't catch Cunningham's check scores, he too emerged from that section with 23 points

With 20-plus miles to go, that was basically the end of the day for the A and AA riders, but disaster struck Kelby Pepper when he lost his concentration and burned the last check by a minute, adding two points to his score. When they turned in their

Little Raccoon National		4. Robbie Jenks	41	4. Jeff Sexton	31	4. Scot Selbee	102	
١	Class Results		5. Josh Cone	47	5. Mike Slopko	32	5. Dan Bryan	188
١	Randy Hawkins	Suz 21	Four Stroke A		250 B		Senior B	
1	Grand Champion		1. Kevin Bennett	36	1. Eric Davis	22	1. Gary Spencer	27
I	Doug Blackwell	26	2. Jared Green	50	2. Doug Kisor	24	2. Dale Sanders	34
١	High Point A		3. Tom Doyle	145	3. Chad Ingalls	29	3. Dan Miller	42
١	Erik Robson	17	4. David Satterfield	149	4. Rusty Easter	29	4. Bill Matthews	43
١	High Point B		5. Scott Klamforth	ck.12	5. Greg Baxter	30	5. Richard Goldsmith	43
١	AA		Senior A		200 B		Super Senior B	
١	1. Steve Hatch	Suz 21	1. Tom Ebersole	80	1. Heath Bennett	22	1. Larry Menefee	72
1	2. Terry Cunningham	GG 23	2. Tom Parfitt	91	2. Heinz Raidel	29	2. Richard Cone	107
١	3. Ty Davis	Kaw 23	3. Tom Charnell	105	3. Dennis Buttrick	30	3. Cletus Kuhn Sr.	ck.9
١	4. Kelby Pepper	Kaw 25	4. Butch Rose	113	4. Bob Carpenter	32	4. Ed Reno	ck.6
١	5. Mike Lafferty	KTM 27	5. Gary Doerr	159	5. Isaac Ackels	38	200 C	
١	Open A		Veteran A		Veteran B		1. Andy Morris	172
١	1. Mike Slechta	51	1. Jim Robson	46	1. Jeff Lambert	29	2. John Hardesty	179
١	2. Rodney Judson	57	2. Wally Wilson	52	2. Dwane Davenport		3. Gary Carr	275
١	3. Gary Roach	57	3. Grant Palanske	66	3. James Malone	33	4. Jerome Harden	ck.7
I	4. Karl Fahringer	66	4. Tim Hart	72	4. Rusty McNichols	46	5. James Stanley	ck.2
١	5. Scott Rice	89	5. Jeff Wright	72	5. Paul Patton	63	Open C	
ı	200 A		Super Senior A		Open B		1. Brian Neal	ck.6
١	1. Jeff Fredette	38	1. Jack Shoalmire	34	Shane McNally	25	2. Scott Clary	ck.2
ı	2. Kevin Brown	48	2. Charles Burk	44	2. Bill Kottgan	29	250 C	
١	3. Craig Hayes	68	3. Ernie Mellor	67	3. Greg Umstead	29	1. Brian Newberry	46
١	4. Rob McGee	91	4. Robert Vollmar	76	4. Gregory Hughes	32	2. Dwaine Tribby	81
I	5. John DiVito	126	5. Clifford Saul	80	5. Lee Grigsby	44	Christopher Morris	
١	250 A		125 B		Four Stroke B		4. Jeff Hill	120
١	1. Gene O'Nail	35	1. Terry Spencer	18	1. Jeff Smith	52	5. Andrew Young	143
١	2. Marty Kehlmeier	35	2. Pat Pinkerton	21	2 Steve Miller	56	6. John Wagner	145
ı	3. Shawn Sommers	41	Jeremy Berwange	r 23	3. Carl Hampton	69		

cards it was Hawkins winning the overall with a 21, and Hatch finishing second by tiebreaker points, also with a 21. Cunningham scored a respectable third with 23 points, edging out Davis who finished fourth with his 23. Kelby Pepper was fifth with 25 points, and 250 A class rider Doug Blackwell broke the AA ranks by finishing sixth with a 26.

Mike Lafferty scored a seventh overall with his 27 points, leading a group of Team KTM riders-Matt Stavish of Minnesota in

eighth with a 29, and Alan Randt of Michigan with a 35 for ninth overall. South Jersey's Kevin Bennett finished up the top ten with a 36-point loss, riding a Honda XR250 in the Four Stroke A class. Doug Blackwell also scored the High Point A trophy for his sixth-place finish, and Erik Robson was the High Point B winner for the day. The top finishing C rider was Brian Newberry, dropping 46 points over the shortened course. It was quite a day. Everybody left the Wellston Fairgrounds with

renewed respect for southern Ohio, and the Appalachian Dirt Riders did a great job with the course, the logistics and the scoring, getting everyone trophied and on the road by five o'clock. It was good to see the country's best enduro riders battling it out again, although the war won't be won until the fall. Will it all come down to the best score in Delaware, like it did last year? Perhaps, but we'll have to wait for October to find out!

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Editorial Director Charlie Morey has been riding since 1965. His knowledge and perspective on today's political and land-use

issues are equally formidable.

Test Editor Karel Kramer hopped on his first bike in 1965, and he's become our walking encyclopedia of technical knowledge about every machine produced since.

Mark Kariya began riding in his dad's orange groves back in 1965. Since then, "Kato" has ridden and raced literally every type and size of motorcycle known to man.

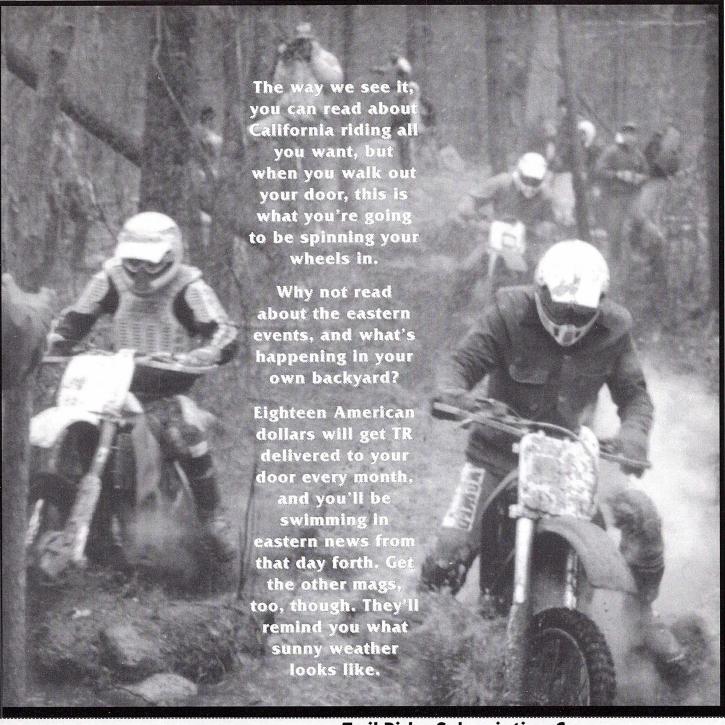
Ken Faught is the newest member of *Dirt Rider*'s team, and as our Moto! Editor, his photography and writing skills leave other motorcycle journalists in the dust.

That's the serious part of *Dirt Rider*. It's been that way since our first issue in 1982, more than 10 years ago. And we think that's pretty intense.

Perhaps that's why *Dirt Rider* Magazine is the world's largest dirt bike publication. Our readers know that for the straight scoop from the guys who really know, *Dirt Rider* delivers.

Or perhaps it's because when the workday is over, we're still just a bunch of guys who like to go riding.





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Ready for the Trail

Testing KTM's newest dual sport bike at the Nevada 200

by Paul Clipper

ate winter and early spring on the east coast is the breaking point for cabin fever. Even after a mild winter, such as we had this year, a body can get powerful tired of leafless trees and grey landscapes, and yearn for the first sunburn of spring. We at Trail Rider are especially guilty of this feeling, and after being cooped up in the basement offices of TR for a few months (no place to go when nobody's racing), it was

definitely a welcome opportunity when the phone rang and Scot Harden of KTM asked if we'd like to come to Nevada for a three-day trailride and try out the new California version of the R/XC dual sport bike.

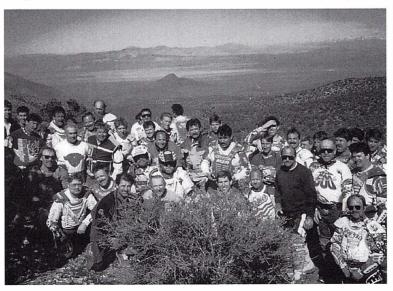
What, like he really has to ask? We had our gearbags packed and headed to the airport long before we even knew when the ride was. Turns out it was the last weekend in April, and the ride would be an organized, annual trail ride known as the Nevada 200. The 200 is an 11-year old jaunt through the mountains and valleys of southeastern Nevada, starting in the historic old railroad town of Caliente. The name is Spanish for "Hot," which may seem like an appropriate name for a desert town, but rather than being named for the air temperature in August, Caliente is named for artesian hot springs that served as both a tourist attraction and a much-needed water stop for the railroad from Los Angeles to Salt Lake, way back in the good old days. The trains burn diesel now, rather than water and coal, but the hot springs are still bubbling and a soak would be easily available at our home base for the long weekend, the Caliente Hot Springs Motel.

The ride was a three-day jaunt, roughly 60 miles on Friday afternoon, a good, long 115-mile stretch on Saturday, and another 75-mile ride on Sunday morning. Typical desert terrain and conditions would await us. Dry, dusty, high of 75 degrees or so and pretty much brilliant sun and blue sky all day, with puffy white clouds in the afternoon. Dirt roads, dry gravel washes,

two-track and fast single track trail were all ribboned and arrowed for the three days, and in addition three guides would be leading three different groups of riders: Harden would be leading the "A" riders, Casey Folks of Best in the Desert would be leading the "B" riders, and the "C" riders would be guided by Jeff Phillips.

The bike we'd be riding was the new California-legal "50-state" KTM R/XC 400. Even though the R/XC machines had been out for a year, California would just now be getting these new R/XCs, a 620 and 400.

Parked outside of an old settler's cabin way out in the desert. The new 50-state R/XC is a compromise of government regulations, but still a surprisingly effective dirt bike. Honestly, we found very little difference between it and our '94 east coast R/XC, although we do like the Dell'Orto carb better. Below: Posing for pictures with 164 of your closest riding buddies. Most of them backed off the cliff while the photo was being set up.



The major difference for the California version is the addition of a charcoal canister evaporative emissions control system, a counterbalancer shaft in the engine to reduce vibration, and a new American-made Qwiksilver II carburetor. Every new piece has a purpose. The counterbalancer helps to reduce noise even farther on an already quiet bike, and the need for the evap equipment is obvious...now this KTM has a sealed fuel system just like a car, even though it still uses the exact same fuel tank and filler cap. The Qwiksilver carb is

necessary to lower emissions to the bare minimum, and KTM says it's the only way to do it without going to a constant-velocity ("CV") vacuum-diaphragm carb, which we all know pretty much suck in the dirt.

KTM also hung a thermostatically controlled fan on the left-side radiator. Actually, this came about as a cure to the 620 R/XC's tendency to overheat when you let it sit at idle. We never had the 400 overheat on us, but what the 620 gets, the 400 gets. So there.

It would also probably pay to point out that this KTM R/XC is a street-legal dual sport bike, not the dirt-only E/XC. There is a vast difference in the carb jetting of the E/XC (much richer), which uses a Dell'orto carb, and also the gearing and stock tires (Pirelli MT21 dual sport rubber). In order to make the ride a little less loony we changed the tires in favor of real knobbies, a K139 Dunlop on the front and a D737 in the rear. On the first day we lowered the gearing from 16/45 to 15/45 to give the R/XC a fighting chance in the Nevada hills, and then on the second day we took it further down to 14/45 after spending way too much time in first gear on Friday. The difficult thing that you have to accept about dual sport bikes is that they are put together first to pass all the noise and emission rules. The gearing is really tall to reduce noise, and the jetting is really lean to reduce emissions. After that, if the machine still manages to perform you're home free.

And the R/XC manages to perform really well, in spite of

its government-imposed handicaps. The R/XC 400 we own back in New Jersey has been re-jetted and geared lower, and we figure nearly everybody who isn't going to ride exclusively in the street will do the same. Stock 16/45 gearing is just barely usable on the street; with it, you have a bike that could crack 100 mph, if the engine could pull the gearing. There isn't any place you'd want to do 100 mph in the dirt.

Except maybe Nevada. We got registered for the ride Friday morning, and then hit the trail about 1:00 in the afternoon. The ride started on a dirt road out of town, skipped through a little mudhole that apparently claimed a few victims but good, and then dropped into a series of dry washes leading up into the hills. All semblance of gentlemanly trail riding was then dropped, as the entire "A" group all went into race mode at once. It

became obvious that western riders only know one speed, and that speed is not much less than a notch under as fast as the bike will go!

The R/XC performed really well here; surprisingly well when you consider it's a bike with turn signals. As a matter of fact, this is a point we have to stress: all the while we would uncover a short-coming in the KTM, and then have to remember we're asking it to be a better E/XC, when it's going to be an R/XC until the day it finally expires. Rule one: if you really want a killer four-stroke dirt bike, get the E/XC. If you need street legality you're going to have to work around the R/XC's (admittedly minimal) limitations.

Problem one, and the main handicap for every four-stroke, is weight. Four-strokes are heavier than two strokes. Street-legal four-strokes are even heavier. The California-version R/XC tips the scales at around 315 pounds, ready to ride. This is far better than a Honda XR650L, and a little porkier than a fully-loaded Suzuki DR350S.



Stopping for lunch along the trail. KTM sponsored the food, Best in the Desert staffed the support crew, and Christy Harden baked a huge batch of the best chocolate chip cookies ever!

Problem two is that it's a four-stroke, but we all accept that going in. You buy a four-stroke because that's what you want, because that's what there is to do the job of being legal. Thumpers just do not respond as fast as two-strokes, so when you hop into a sandy, gravelly dry river wash with a four stroke, it's just not possible to immediately plane on top of the sand. Four-strokes plow through stuff, while two-strokes hop up and skim the surface. Four-strokes slam into things instead of lofting over them.

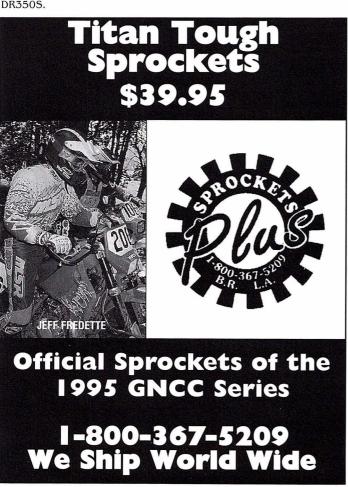
Wow, do the last few paragraphs sound negative!

So when you dive into the sand with this overweight (compared to a two-stroke), slow-revving street bike, what does it do? Well, actually, our bike ripped pretty well, as long as we stayed on it. The secret is speed, and with the gearing lowered we only had a short lag before the R/XC would climb up out of

the sand wallow and start skimming the surface. Still, it was a bit of a struggle, but when you get out of the deep sand things start really clicking. On hard ground the KTM has no peer, especially not among dual sport bikes. The front end carves and tracks more accurately than anything other than a full-dirt race bike, and the suspension at both ends does a very good job of soaking it all up. Head up farther, into the loose, skatey rocks, and the R/XC works even better.

We never bothered to check the rebound setting on the rear shock, it was fine the way we got it. The compression setting is right out where you can see it so we tuned on it to get the right kind of response for the riding we were doing. We wound up with it set at #4, and set the spring preload at 95mm.

The forks received a little bit of fiddling, and if we owned the bike they'd get a little more. We would change the fluid to good cartridge fork fluid (like Spectro) and run it at the stock level setting (we never checked our test bike for level, but it's a good idea to do





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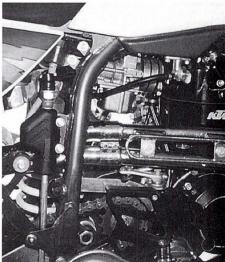
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it when new, just to see where you're starting from). The optimum compression setting turned out to be #4, and for rebound we were running about ten clicks clockwise.

As much hype as the new KTM Marzocchi Magnum forks are getting, these WP forks work quite well on the four-stroke. They do still have the WP tendency to deflect a bit when they take a side hit, but they are not as bad as the pre-'94 WP forks. Our NJbased R/XC has 6000 miles on it and properly set-up forks (not re-valved), and they do not exhibit the amount of deflection the new forks do, so it can be carefully tuned away when the forks are broken in.

Power-wise the California R/XC is almost indistinguishable from the "49-state" version we have at home. The balancer shaft may help tame vibration slightly on the highway, but you can't notice its effect on the dirt (the 400 hardly vibrates anyhow).





Tucked up under the tank is a Qwiksilver carb. It's American made, and still a mystery to most of us. The starting circuit needs work; the overall jetting is legally lean but the bike still runs well.

We understand that the balancing shaft is a miracle worker on the 620, which does vibrate quite a bit in its older version. Last year we rode Heinz Kinigadner's counterbalanced 620cc prototype race bike at the Nevada Rally, and were amazed that the bike hardly vibrated at all. We have to conclude that the balancing shaft is really useful on the 620, but on the 400 it's pretty much a waste of time and weight.

The 400 still makes the same flat, strongfrom-idle powerband that will push the R/XC through anything. If you keep the rpm up and the engine spinning, the bike will buzz right along in truly miserable traction conditions. If there's a hill that needs climbing you can buzz up it, or chop the throttle and walk up in first gear. Basically, the bike has plenty of power without having too much, and it feels like it has slightly more torque and overall power than it's nearest competitor, the Husky 350. There's no comparison between the Suzuki DR350S and the Yamaha XT350. The KTM will eat them for breakfast.

Our only complaint was with the difficulty we had starting the bike, when cold or after a crash. The Qwiksilver carb, for all its good traits, is not as sophisticated a mixer as the Dell'orto. It lacks the D'o's hot-start button,



and we never really 1 figured out how the choke on the Qwiksilver wanted to be treated. We think the carb needs to be tuned better on the starting circuit, and if we owned the bike we'd have that carb torn apart and re-jetted in a minute. What jets would we put in? Don't know; we don't know anything about that carb. But we'd fiddle with it.

The bottom line on the California R/XC (which will some day be the only R/XC, that it picked up a little weight and complexity, but it still works well. We con-





mark our words) is If you look in the bottom vent slot of the tank shroud you can just see a piece of the radiator fan. This was added to reduce overheating at idle or in tight woods. The new machine also uses a spin-on oil filter at the base of the frame downtube, and a charcoal evap canister in place of the old tool kit case.

tinued to compare it directly to true dirt bikes throughout the ride, and this is something you shouldn't do. The R/XC is a dual sport bike, and right now we'll repeat what we said when we initially tested the R/XC 400: without a doubt, this is the best factory-built dual sport bike available.

The ride was three days of rocky desert; mountains and hills, badlands and sand washes, weird tight tree sections and wide-open dirt roads. It was a textbook sampler of what desert riding is all about. Casey and crew put together one heck of a course, with everything from high-altitude damp ground to lowland, dusty silt beds. He even tossed in a 15-mile two track in the second half of Sunday's ride that was rocky, skatey, miserable and very nearly a death-march for anyone with a sore behind, which was most of us.

until we came back into town in the afternoon, we never, ever, saw another person-rider, hiker, posey-sniffer, ATVer, four-wheel driver, prospector, nobody. Not even any aliens. You can drive a mile in off the paved road in Nevada and be totally alone. Think about that; think about how nice it would be here in the east!

The trip was a ton of fun. It reminded us again how neat it is to ride in Nevada (how would you like to ride wide open all day?), and also what a versatile bike the R/XC 400 is. We'd still recommend the 49-stater if you can get it, but the new "50-state" R/XC is still a heck of a bike, no doubt about it.

If you want to learn more about the Nevada 200 or the Best in the Desert hare and hound series, contact Sportsman Cycles, 3475 Boulder Highway, Las Vegas NV 89121.



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Helmet Fresh, Alpinestar Tech 7 Boots

Helmet Fresh

I've had some riding gear smell so bad, it'll make a hockey player blush. Knee pads typically win the "most odorous riding gear" competition, hands down, but at least you don't have to strap 'em across your face. Your helmet, on the other hand, places a close runner-up in the air-de-locker-room sweepstakes, and spends nearly all of its useful time polluting the otherwise fresh intake air of the unspoiled bush. What's a hygienic and cleanliness-minded rider to do?

Nearly everyone's tried washing out the old lid liner, most with limited success. Sure, the helmet will smell fine after the washing, maybe even fragrant depending on the soap and/or deodorant used during the process. Helmets with removable liners make this task easy, however, wear the helmet once (perhaps twice, if you don't

sweat too heavily), and the stink is back faster than a pack of conservation officers in hot pursuit. The problem here is that washing your helmet treats the symptom (that dead animal smell), not the problem.

We recently came across a new product called Helmet Fresh, aimed directly at the cause of stinky lids. The manufacturer of Helmet Fresh, Bennett Engineering, claims that the product attacks the bacteria and mildew which takes up residence within your helmet lining and causes the offensive odor in the first place. Helmet Fresh comes in a four ounce plastic pump spray bottle that will easily last a season's worth of applications.

The application routine goes like this: Start with a clean helmet. This means cleaning the old stinker or starting with a new lid. Once dry, spray on Helmet Fresh liberally and knead it into the liner and foam. Then simply let it dry. The Helmet Fresh should take care of any parasitic squatters remaining within the helmet lining and discourage new tenants from taking up residence. After a month, give or take depending on use, repeat the process of cleaning and applying the Helmet Fresh.

We tried Helmet Fresh on an old scuzzy helmet as well as a new Arai MX/e. The cleaned linings from both helmets were treated and then put to the test. The first thing noticed is that the "fresh, clean" smell left behind by the product might not quite be up there with the fragrance of fresh pine needles. While the resulting smell is certainly better than the alternative, don't expect any spring days. The test helmets were then worn repeatedly, to see what developed. The improvement was subtle, but noticeable. Generally speaking, the lids treated with the Helmet Fresh went considerably longer before succumbing to the bacterial onslaught.

The manufacturer claims that the produce is good for use on helmets used for all applications; motorcycle, snow mobile, personal water craft and/or bicycle riding. Helmet Fresh is non-flammable, non-toxic, non-corrosive, and non-allergenic. We have plans to try it on other foam riding gear including our goggles and knee pads. For more info drop a line to Jim Bennett at Bennett Engineering, 11181 East HJ Avenue, Galesburg, Michigan, 49053, telephone (616)665-9425.

--M.U.

Tech 7 Boots

Alpinestars' new Tech 7 boot has been upgraded this year. We could not wait to get our hands on a pair, and a pair on our smelly feet, so we actually went out and bought them from funds in the highly secretive Trail Rider Slush Fund. Besides the addition of an A* graphic on the side (only there to alert the fashion police), the fastening buckles received some engineering modifications. Of the four buckles, the two middle ones "float", that is they are not attached directly to the boot material where they lie. Instead they transfer securing duties to the surrounding area via tabs which terminate lower and further back from the ankle. In real world scenarios this translates into less binding and more comfort. The fit and feel was already an industry standard and this feature will undoubtedly further their reputation. A whole slew of color combinations are available ranging from a kinder, gentler tan to the criminally insane purple shades.



Regrettably, our last pair of foot gear was not up to the incredibly high standards here at TR. Chuck Taylor Hi-Tops offered more protection than those dogs. The new Alpinestars are at the other end of the foot preservation spectrum. Strategically sewn-on plastic is confidence inspiring. Only lead-lined concrete would offer more defense against off-road hazards. There are no silly strings to deal with, just four fully adjustable, replaceable buckles which lock tightly shut. The high density soles have a replaceable instep which is good in today's world of ferocious footpegs. The leather used throughout is the

finest full grain, this includes the interior as well.

Do not get cheap when choosing riding boots. Buy the best ones your budget will allow, and we can confidently say that Alpinestars' Tech 7's are one of, if not the best boots on the market. Highly recommended. Available from dealers everywhere for around \$250.

--J.D.





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Getting A Grip On The New Breed Of Bars

Are big buck bars the best buy for your bike?

by Dan Anderson

Do you have the right handlebar on your bike?. 'Bars come in a variety of bends, designs, and metallurgical choices, and selecting the right bar for you, your bike, and the way you ride can have a major impact on your riding comfort and how well your bike handles. While using the right handlebar will not guarantee a win at your next race, the wrong handlebar will definitely contribute to keeping you at the back of the pack.

Handlebar Basics

Before we get into a discussion of the "new" breed of handlebars, let's take a quick look at handlebar terminology and design. There are four basic dimensions that affect the ultimate configuration of a dirt bike handlebar: overall width, base width, bar

width, and droop/sweep.

Overall width. Overall width (Dimension A in diagram) is the measurement from tip to tip. Modern handlebars come from the factory measuring 30 to 32 inches. Most woods riders hacksaw them down to 28- or 30-inches as soon as they get them home (or after their first tree-smashed knuckles). Always check to make sure there will be room for all your clutch and brake perches, brake reservoirs, and throttle assembly before taking a hacksaw to a new handlebar.

Base width. This is the measurement (Dimension B) where the bars mount to the triple clamps. In general, the wider the base width, the stronger the bar. However, too wide of a base width will shorten the amount of bar in the hand grip area and, if taken to extremes, can hit gas tanks, radiator shrouds, and knees in sit-on-the-tank tight corners.

Bar Height. Bar height (Dimension C) can make a major difference in rider comfort and bike handling. In general, taller riders find a higher bar more comfortable because they don't have to bend over as far to reach the bar. Conversely, shorter riders do well with a "low rise" bar that allows them to stay in the "attack





Answer Products' Pro-Taper handlebars are increasingly popular. They do not use a crossbar, and need special handguards also sold by Answer. Still, they offer great shock absorption and massive strength.

position" without feeling like they are riding a chopped Harley from the 1960s. Having the correct bar height allows you to stay balanced on the bike both sitting and standing. Cornering is easier, and your front and rear suspension are able to work as a balanced team, because your weight is evenly distributed.

Droop and Sweep. Droop (Dimension D) and sweep (Dimension E) work together to produce the configuration of the hand grip area on a handlebar. Envision droop as the vertical downward bend at the end of the bar and sweep as the horizontal bend (toward the rider) at the same location. The combination of the two dramatically affects how your hands, wrists, and arms are positioned when you ride. If droop and sweep are not correct, arm pump, sore wrists, and other physical discomforts are guaranteed. It's tough to judge what combination of droop and sweep is best for you while fondling a bare handlebar on a rack at a dealership. The best way is to sit on a friend's bike, (same brand, same model) and feel how his bars work for you. Seat height, your height, and other factors make droop and sweep a very personal judgment call, but ultimate riding comfort depends on getting the correct dimensions for you, your bike, and the way you ride.



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Money and Metallurgy

Once you decide what shape of handlebar is best for you, it's time to decide what kind of bar works best for you. There are three basic types of metal used in bars, and they range from very economical to extremely expensive.

Carbon Steel. Carbon steel bars are the lowest-priced bars, the easiest to bend in a crash, but, all-in-all, the best choice for casual play riders. A set of Bark Busterstyle handguards dramatically improves the crash-resistance of carbon steel bars by bracing the bend-prone ends to the center section. Beware of bargain-basement carbon steel bars made from thinwall pipe.

Chromoly. Chrome molybdenum steel bars are made from a tougher metal alloy than carbon steel bars, cost slightly more, and are proportionally stronger. Many veteran B-riders use chromoly bars because they are reasonably priced for the performance they offer. Be warned that the designation "chromoly" does not necessarily guarantee a stronger bar. In some cases a high-quality carbon steel bar can be as strong as a bargain basement chromoly bar. If it seems cheap dollar-wise, it may be cheap quality-wise as well.

Aluminum. Aluminum handlebars range from pricey to outright expensive but offer the best handlebar performance. They are lightweight, incredibly strong, and can offer vibration and impact-absorption. It is here that we enter the second phase of our story on handlebars...

The Next Generation of Handlebars

The original aluminum handlebars were Renthal-syle bars with bolt-on cross bars. They offered significant weight reduction and increased durability over steel alloy bars. They also offered a certain degree of "flex" that helped absorb hard landings and sudden impacts. These bars may well be the bars of choice for serious racers simply because they offer tremendous performance for a reasonable price.

Pro Tapers. Answer Products upped the ante in the world of aluminum handlebars several years ago when they introduced their Pro Taper handlebar. These uniquelooking bars lack a crossbar, utilizing a thicker cross-section in the center of the bar to compensate. Dave Kaiser of Answer Products says that Pro Taper bars are 30 percent lighter and 50 percent stronger than conventional steel bars, and offer dramatic impact absorption capabilities.

"Even a casual rider can tell the difference with Pro Tapers," he said. "Supercross riders like them because they really soak up the impacts from hard landings, but a lot of woods riders have fallen in love with them because they also do a great job of cushioning all the endless impacts from roots, rocks and other obstacles in the trail."

Durability is another feature that has endeared Pro Tapers to off-road riders. Eric Hart, a charter member of the Trail Rider Midwest Test Team, is impressed with the durability of his Pro Tapers.

"I'm beginning to think they're indestructible," he said. "I've transferred the same set of bars from a '92 Husky to a '93 Husky 350 four stroke to a '93 Husky 250 to a '94 Husky 125. I'm hard on bars...there's no way around it. I used to



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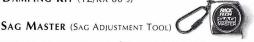
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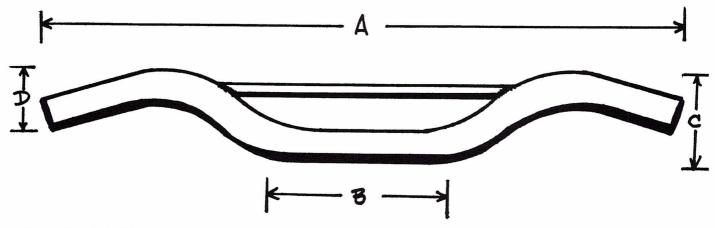
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go through 3 or 4 steel bars every season, but this one Pro Taper bar has lasted through four bikes. Add the impactabsorption to the durability and I'm convinced they are worth the extra cost."

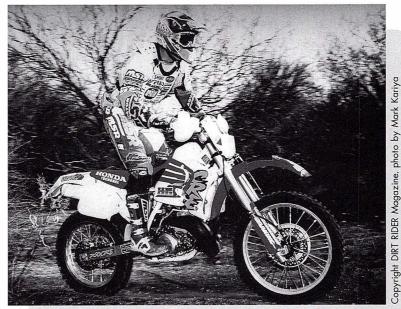
The extra cost of Pro Taper handlebars often deters first-time buyers. Because of the thicker mid-section, Pro Tapers require special bar mounts. Some bikes also require special upper triple clamps, and standard Bark Buster-style handguards do not fit. The bars alone can cost nearly \$100, and if your bike requires the special top triple clamp the total price can pass the \$200 mark. In addition, an Answer Products handguards guaranteed to work with Pro Tapers will set you back \$50 or \$60. But if you are a hard-charger and buying more than three or four handlebars a year, you may be able to recoup the initial investment in only a year, and also benefit from the excellent impact absorption and riding comfort offered by Pro Taper bars.

O'Neal IFS handlebars. O'Neal entered the world of high-tech handlebars when they introduced their IFS (Integrated Flex System) handlebars. Like Pro Tapers, O'Neal IFS aluminum-alloy bars have no crossbar, but IFS bars have standard 7/8-inch outside diameters so they bolt to all standard fork mounts.

"IFS bars are stronger than steel-alloy bars and as strong or stronger than regular aluminum bars with bolt-on crossbars," said Mike Borger, with O'Neal Products. "They also offer tremendous flex and shock absorption characteristics. Our riders have noticed less problems with arm pump during races, and say they have fewer aches and pains the day after races when they use IFS bars."

O'Neal IFS handlebars sell for around \$100 in a variety of bends. Borger recommends O'Neal's \$12 handlebar pad when installing IFS bars, and notes that some Bark Buster-style handguards may need modification to work with IFS bars.

Handlebars can have a significant impact on you and your bike's performance. The right bar, of the proper height for you, with the correct bends, can literally make you faster and more comfortable on your bike. How much you spend on that bar depends on the depth of your bank account. A good quality carbon steel bar will do everything a high-buck aluminum bar will do, though it won't offer shock absorption and chances are good that you will have to replace it after a major crash. The decision is yours. Handle(bar) it carefully.



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(From page 6)

career politicians in the state house.

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What do we do about registration in the mean time? Well, you can try the old methods for registering a bike, and you may get lucky. If not, it's obvious that the State of New Jersey is not interested in the registration fees generated by sales of trail bikes, nor are they interested in the sales tax normally collected upon registration. This being the case, and since there is no category for a trail bike in the state, one alternative is to register your bike out of state. Vermont is one state that will register anyone's motorcycle, in state or out, and Maine is another. Unfortunately, laws change one season to the next, so you'll have to call whatever state's DMV to find out what the current rules are. It's a long way to go to get licensed, registered and insured, but right now it's the best way to do it. We'll keep you posted on any progress we see in the future. \square



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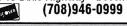
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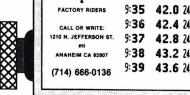
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KX60 1985 & up	\$191.99	\$17.99	\$19.99	\$103.99
KX80 1990-95	209.99	31.99	19.99	103.99
KX125 1990-94	249.99	49.99	9.99	159.99
KX125 1995	259.99	49.99	9.99	159.99
KX250 1990-95	319.99	52.99	22.99	245.99
KX500 1990-95	394.99	65.99	22.99	307.99
KDX200 1990-94	305.99	49.99	20.99	219.99
KDX200 1995	315.99	49.99	20.99	245.99
PW50 all years	69.99	18.99	14.99	112.99
YZ80 1993-95	243.99	29.99	9.99	139.99
YZ125 1993-95	270.99	26.99	7.99	209.99
YZ250 1993-95	295.99	35.99	27.99	222.99

K595 or D704 110 x 19	\$36.99
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K990 110 x 18 or 19	49.99
100 x 18 or 19	47.99
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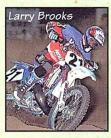






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